



Jose Maria Sabater Navarro

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Jose María Sabater-Navarro is Industrial Engineer (specializing in energy techniques) by the Polytechnic University of Valencia in 1998. Doctor of Engineering from the Miguel Hernández University of Elche in 2003. He is currently Full Professor of the Universidad Miguel Hernández of Elche in the field of Systems Engineering and Automatics and he is coordinator of medical robotics in the research group in Biomedical Neuroengineering of the same university. He has held positions of Deputy Director of Polytechnic School (2009-2023) Director of the Master's Degree in Industrial Engineering (2012-2023 and Director of Polytechnic School of Elche since 2023.

In the research aspect, he is the author of: +70 publications in impact journal (JCR index), of which more than 20 are in the first quartil (Q1). 1 book on medical robotics (isbn:9778-84-15413-12-7), 1 book on robotics (isbn 978-84-16898-28-2), +25 publications in non-impacted interest magazine, +10 book chapters in books of scientific interest, +30 guest lectures and/or lectures such as "invited lecturer", +180 congress articles, both national and international.

He has participated in more than 25 R&D International Competitive Projects, being IP in 2 of them. Regarding national funds, he has participated in +40 National Competitive projects being IP in 20 of them. As regards technology transfer, he has 9 patents and 2 software registrations, with 2 patents and 1 software registration currently being exploited. He has participated in 13 contracts with companies, 3 of them as principal investigator and performed various private contracts (22). He has participated in the promoter group and is currently on the scientific board of the technology-based spin-off Instead-Technologies, Ltd.

He currently has recognized 3 6-year's research periods, the last in the period 2014-2019. He also has recognized 1 additional transfer research period.

In the teaching aspect he is since 2000 professor of the University Miguel Hernández of Elche, occupying different positions. Since 2023 he is Director of the Higher Polytechnic School of Elche. From 2009 to 2023 he was Deputy Director of the Higher Polytechnic School of Elche. He previously coordinated the Degree in Electrical Engineering and the Degree in Industrial Engineering until its extinction. From 2012 to 2023 he has been Director of the Master's Degree in Industrial Engineering. He has participated in the implementation of the Bachelor's degrees in Industrial Engineering at the Miguel Hernández University and the Master's Degree on Industrial Engineering. He has been advisor of 9 PhD thesis (two of them obtained the Extraordinary Doctorate award) as well as more than a hundred Final Degree/Master Projects and also Erasmus+ Projects with exchange students. In addition, he is also an evaluator for Fundamental Research Projects of the Spanish State Plan for Scientific and Technical Research and Innovation, and of the Spanish National Agency of Evaluation and Prospective (ANEP) since 2009 to the present. He has also been academic and professional tutor of various internships in companies. Teacher in different training courses organized by the UMH and training courses for professional staff organized by CEFIRE. He is co-author of 3 complete teaching books, and has taught more than 10 different subjects in the area of systems engineering and automatic, 7 of them newly implemented at the Miguel Hernández



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University of Elche, and is currently professor of "Robotics" in Bachelor level and "Service Robotics" and "Technologies for health" in Master's degrees and doctoral programs. All these lectures are taught in English. Currently he has recognised 4 5-year's periods of teaching activity.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

(ver resumen general)



Jose Maria Sabater Navarro

Surname(s): Sabater Navarro
Name: Jose Maria
DNI:
ORCID: 0000-0002-3890-6225
ResearcherID: A-5583-2008
Date of birth:
Gender: Male
Nationality: Spain
Country of birth: Spain
Aut. region/reg. of birth: Valencian Community
Contact province: Alicante
City of birth:
Contact address: Av. de la Universidad s/n
Rest of contact address: Edificio Vinalopo
Postcode: 03202
Contact country: Spain
Contact aut. region/reg.: Valencian Community
Contact city: Elche
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Mobile phone:
Personal web page: <https://medicalrobotics.umh.es/group/josemariasabater/>

Current professional situation

- 1** **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Department: Escuela Politécnica Superior de Elche
Professional category: Director de la Escuela Politécnica Superior de Elche
Start date: 19/06/2023

- 2** **Employing entity:** Universidad Miguel Hernández de Elche
Department: Ingeniería de Sistemas y Automática, Escuela Politécnica Superior de Elche
Professional category: Catedrático de Universidad
Start date: 20/11/2017
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 331101 - Automation technology; 331102 - Control engineering; 331110 - Medical instruments; 331114 - Servomechanisms; 331402 - Prosthetic devices; 331499 - Other (specify)
Identify key words: Robotics; Automatization and instrumentation

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Miguel Hernández de Elche	Director del Máster Universitario en Ingeniería industrial	12/09/2012
2	Universidad Miguel Hernández de Elche	Subdirector de la Escuela Politécnica Superior de Elche	04/06/2009
3	Universidad Miguel Hernández de Elche	Titular de Universidad	22/12/2009
4	Universidad Miguel Hernández de Elche	Titular de Escuela Universitaria	17/09/2002
5	Universidad Miguel Hernández de Elche	Ayudante de Escuela Universitaria	01/10/2000
6	Universidad Miguel Hernández de Elche	Becario de investigación	01/10/1998
7	Universitat Politècnica de València	Becario de investigación	01/02/1998

1 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Director del Máster Universitario en Ingeniería industrial
Start-End date: 12/09/2012 - 18/06/2023

2 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Subdirector de la Escuela Politécnica Superior de Elche
Start-End date: 04/06/2009 - 18/06/2023

3 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Titular de Universidad
Start-End date: 22/12/2009 - 20/11/2017

4 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Titular de Escuela Universitaria
Start-End date: 17/09/2002 - 21/12/2009

5 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Ayudante de Escuela Universitaria
Start-End date: 01/10/2000 - 16/09/2002

6 **Employing entity:** Universidad Miguel Hernández **Type of entity:** University de Elche
Professional category: Becario de investigación
Start-End date: 01/10/1998 - 01/09/2000

7 **Employing entity:** Universitat Politècnica de València **Type of entity:** University
Professional category: Becario de investigación
Start-End date: 01/02/1998 - 30/09/1998



Summary of professional activity

Jose María Sabater-Navarro is Industrial Engineer (specializing in energy techniques) by the Polytechnic University of Valencia in 1998. Doctor of Engineering from the Miguel Hernández University of Elche in 2003. He is currently Full Professor of the Universidad Miguel Hernández of Elche in the field of Systems Engineering and Automatics and he is coordinator of medical robotics in the research group in Biomedical Neuroengineering of the same university. He has held positions of Deputy Director of Polytechnic School (2009-2023) Director of the Master's Degree in Industrial Engineering (2012-2023) and Director of Polytechnic School of Elche since 2023.



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Ingeniero Industrial Especialidad Técnicas Energéticas

Degree awarding entity: Universitat Politècnica de València **Type of entity:** University

Date of qualification: 04/02/1998

Doctorates

Doctorate programme: Programa Oficial de Doctorado en Tecnologías Industriales

Degree awarding entity: Universidad Miguel Hernández de Elche **Type of entity:** University

Date of degree: 10/10/2003

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B2	B2	B2	B2	B2
English	B2	C2	C1	B2	C2

Teaching experience

General teaching experience

- Name of the course:** 8284 - TECNOLOGIAS APLICADAS A LA SALUD
University degree: Máster Universitario en Bioingeniería
Start date: 2022 **End date:** 2023
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Experimentales
- Name of the course:** 4365 - ROBÓTICA MÉDICA
University degree: Máster Universitario en Robótica
Start date: 2016 **End date:** 2023
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche



- 3** **Name of the course:** 1770 - ROBÓTICA
University degree: Grado en Ingeniería Electrónica y Automática Industrial
Start date: 2013 **End date:** 2023
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
- 4** **Name of the course:** 2987 - ROBÓTICA DE SERVICIO
University degree: Máster Universitario en Ingeniería Industrial
Start date: 2013 **End date:** 2023
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
- 5** **Name of the course:** 661 - NEUROINGENIERÍA
University degree: Máster Universitario en Bioingeniería
Start date: 2008 **End date:** 2022
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias Experimentales
- 6** **Name of the course:** 547 - ROBÓTICA MÉDICA
University degree: Máster Universitario en Investigación en Tecnologías Industriales y de Telecomunicación
Start date: 2009 **End date:** 2016
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
- 7** **Type of teaching:** Official teaching
Name of the course: 6893 - ROBOTICA Y VISION POR COMPUTADOR
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero de Telecomunicación (P99)
Course given: 4
Start date: 2003 **End date:** 2013
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 4,5
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
City of entity: Elche, Valencian Community, Spain
Subject language: Spanish
- 8** **Type of teaching:** Official teaching
Name of the course: 4747 - CONTROL DE ROBOTS Y SISTEMAS SENSORIALES
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero Industrial (P97)
Course given: 4
Start date: 2000 **End date:** 2009
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 7,5
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
City of entity: Elche, Valencian Community, Spain
Subject language: Spanish



- 9** **Type of teaching:** Official teaching
Name of the course: 6283 - FABRICACION ASISTIDA POR COMPUTADOR
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero Técnico Industrial, especialidad en Mecánica (P01)
Course given: 4
Start date: 2003 **End date:** 2007
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 4,5
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
City of entity: Elche, Valencian Community, Spain
Subject language: Spanish
- 10** **Type of teaching:** Official teaching
Name of the course: 4043 - INFORMATICA APLICADA
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero Industrial (P97)
Course given: 1
Start date: 2001 **End date:** 2006
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 6
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
City of entity: Elche, Valencian Community, Spain
Subject language: Spanish
- 11** **Type of teaching:** Official teaching
Name of the course: 5296 - TECNOLOGIA DE FABRICACION
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero de Materiales (P98)
Course given: 4
Start date: 2000 **End date:** 2005
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 4,5
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Faculty, institute or centre: Escuela Politécnica Superior de Elche
City of entity: Elche, Valencian Community, Spain
Subject language: Spanish
- 12** **Type of teaching:** Official teaching
Name of the course: 4672 - TECNOG.DE FABRICACION Y TECNOG.DE MAQUINAS
Type of programme: Engineering **Type of teaching:** In person theory
Type of subject: Obligatory
University degree: Ingeniero Industrial (P97)
Course given: 4
Start date: 2000 **End date:** 2003
Type of hours/ ECTS credits: Hours



Hours/ECTS credits: 6

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

Faculty, institute or centre: Escuela Politécnica Superior de Elche

City of entity: Elche, Valencian Community, Spain

Subject language: Spanish

13 Type of teaching: Official teaching

Name of the course: DIBUJO ASISTIDO POR COMPUTADOR

Type of programme: Engineering

Type of teaching: In person theory

Type of subject: Obligatory

University degree: Ingeniero Industrial (P97)

Course given: 1

Start date: 1999

End date: 1999

Type of hours/ ECTS credits: Hours

Hours/ECTS credits: 6

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

Faculty, institute or centre: Escuela Politécnica Superior de Elche

City of entity: Elche, Valencian Community, Spain

Subject language: Spanish

Experience supervising doctoral thesis and/or final year projects

1 Project title: Diseño e implementación de sistemas de medida no invasivos basados en microondas par aplicaciones médicas. Detección del desplazamiento cerebral, detección de aneurismas de aorta abdominal y evaluación de l calidad de las suturas de anastomosis intestinal

Type of project: Doctoral thesis

Co-director of thesis: Ernesto Avila Navarro

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

City of entity: Elche, Valencian Community, Spain

Student: Andrea Martinez Lozano

Obtained qualification: cum laude

Date of reading: 30/07/2024

European doctorate: Yes

Quality recognition: Yes

2 Project title: Sistema multimodal para medir el desplazamiento cerebral intraoperatorio en tiempo real

Type of project: Doctoral thesis

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

City of entity: Elche, Valencian Community, Spain

Student: Natividad Bermejo Herrero

Date of reading: 27/09/2023

European doctorate: No

3 Project title: Desarrollo de nuevos dispositivos y algoritmos para la monitorización ambulatoria de personas con epilepsia

Type of project: Doctoral thesis

Entity: Universidad Miguel Hernández de Elche

Type of entity: University

City of entity: Elche, Valencian Community, Spain

Student: David Zambrana Vinaroz

Obtained qualification: Cum Laude



Date of reading: 03/03/2023
European doctorate: No

- 4** **Project title:** Glucose concentration detection in aqueous and biological solutions with microwave sensors
Type of project: Doctoral thesis
Co-director of thesis: Enrique Bronchalo Bronchalo
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Student: Carlos Gabriel Juan Poveda
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 12/11/2019
European doctorate: Yes
Quality recognition: Yes **Date of award:** 15/12/2021
- 5** **Project title:** Nuevos dispositivos electrónicos y algoritmos para la monitorización ambulatoria de personas con trastorno del espectro de autismo
Type of project: Doctoral thesis
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Student: Jose Maria Vicente Samper
Obtained qualification: Cum Laude
Date of reading: 13/12/2021
European doctorate: Yes **Date of recognition:** 13/12/2021
- 6** **Project title:** Modelo de cálculo del brain shift como contribución a la neurocirugía guiada por imagen
Type of project: Doctoral thesis
Co-director of thesis: Oscar Andres Vivas
Entity: Universidad del Cauca **Type of entity:** University
City of entity: Popayán, Colombia
Student: Karin Correa Arana
Date of reading: 13/03/2020
- 7** **Project title:** Estrategias de colaboración entre robots quirúrgicos y cirujanos ante la detección y resolución de situaciones de emergencia
Type of project: Doctoral thesis
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Student: Alvaro Garcia Martinez
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 18/10/2018
European doctorate: No
Quality recognition: No
- 8** **Project title:** Herramientas computacionales basadas en imagen de ultrasonografía para diagnóstico médico
Type of project: Doctoral thesis
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Student: Juan Rodriguez Soler
Obtained qualification: Sobresaliente cum Laude
Date of reading: 21/09/2017
European doctorate: No
Quality recognition: Yes



- 9** **Project title:** Técnicas avanzadas de interacción multimodal para entornos de robótica de rehabilitación
Type of project: Doctoral thesis
Co-director of thesis: Nicolas Garcia Aracil
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Student: Luis Daniel Lledó Perez
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 19/07/2017
European doctorate: No
Quality recognition: Yes
- 10** **Project title:** Diseño y control de dispositivos robóticos para la administración temprana de terapias de neurorrehabilitación
Type of project: Doctoral thesis
Co-director of thesis: Nicolas Garcia Aracil
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Student: Ricardo Morales Vidal
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 26/02/2014
European doctorate: No
Quality recognition: Yes
- 11** **Project title:** Interfaz multimodal y control biocooperativo para sistemas de neuro-rehabilitación asistida por robots
Type of project: Doctoral thesis
Co-director of thesis: Nicolas García Aracil
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Student: Francisco Javier Badesa Clemente
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 24/01/2014
Quality recognition: Yes
- 12** **Project title:** Estudio de la conductividad eléctrica de la leche como método automático de detección de mamitis en cabras de raza murciano-granadina
Type of project: Doctoral thesis
Co-director of thesis: Jose Ramón Diaz Sánchez
Entity: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Orihuela,
Student: Gema Romero Moraleda
Obtained qualification: Sobresaliente Cum Laude
Date of reading: 24/07/2009
European doctorate: No
Quality recognition: Yes



Materials and other teaching or educational publications.

- 1** Acciones de innovación y coordinación docente en ingeniería, Universidad Miguel Hernández de Elche. 15/11/2020. ISBN 978-84-18177-00-2
Name of the materials: Libro docente de acciones de innovación y coordinación docente en ingeniería
Date of drafting: 2020
Format: Book
Corresponding author: Yes
- 2** Jose Maria Sabater Navarro. Robótica Médica. Notas prácticas para el aprendizaje de la robótica en bioingeniería, Cyted. 10/10/2013. ISBN 978-84-15413-12-7
Name of the materials: Libro docente Robótica Médica
Date of drafting: 10/10/2017
Format: Book
Degree of contribution: Author or co-author of entire book
Corresponding author: Yes
- 3** C.Juan; A. García; J.M. Vicente; Jose Maria Sabater Navarro. Plataforma basada en la integración de Matlab y ROS para la docencia de robótica de servicio, Actas de las XXXVIII Jornadas de automática, 6-8 sept. 2017. ISBN: 978-84-16664-74-0. pp. 766 - 771. CEA.
Name of the materials: Articulo docente
Date of drafting: 06/09/2017
Format: Article(s)
Corresponding author: Yes
- 4** Roque Saltaren; Lisandro Puglisi; Jose Maria Sabater Navarro; Eugenio Yime. Robótica Aplicada. Análisis y diseño de robots paralelos y seriales con Matlab, pp. 1 - 341. Dextra. 01/01/2017. ISBN 978-84-16898-28-2
Name of the materials: Libro Docente de Robótica Aplicada
Date of drafting: 01/01/2017
Format: Book
Degree of contribution: Author or co-author of review
Corresponding author: Yes
- 5** J. Martinez; Jose Maria Sabater Navarro. Guía Docente para el diseño de robots de servicio, 10/10/2012.
Name of the materials: Libro docente sobre Robótica de Servicio
Date of drafting: 10/10/2012
Format: Manual
Degree of contribution: Author or co-author of educational publication
Corresponding author: No
- 6** J.M. Azorin; R. Ñeco; Jose Maria Sabater Navarro; L.M.Jimenez; N.García. Programación En C/C++: Ejercicios Resueltos, (Spain): Limencop. 10/10/2002. ISBN 84-95893-21-5
Name of the materials: Libro docente de Programación C/C++
Date of drafting: 10/10/2002
Format: Handbook
Corresponding author: Yes



- 7** Roque Saltaren; Jose Maria Sabater Navarro; Miguel Almonacid; Jose Maria Azorin. Prácticas de robótica utilizando Matlab, Limencop. 10/10/2000. ISBN 84-95315-59-9
Legal deposit: A-1016-2000
Name of the materials: Libro docente de robótica
Date of drafting: 10/10/2000
Format: Handbook
Degree of contribution: Author or co-author of entire book
Corresponding author: Yes

Participation in innovative teaching projects

- 1** **Project title:** Learning robotics under a collaborative experience (UMH-UTP Panamá)
Type of participation: Principal investigator
Time of working relationship: For a limited time
Funding entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Start-End date: 01/01/2023 - 31/12/2024
- 2** **Project title:** Learning robotics under a collaborative experience (UMH-Unicauca)
Type of participation: Principal investigator
Time of working relationship: For a limited time
Funding entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Start-End date: 01/01/2022 - 31/12/2023
- 3** **Project title:** PLANUMH-EDU. Grado en Electrónica y Automática Industrial
Type of participation: Principal investigator
Funding entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Start-End date: 20/02/2013 - 31/12/2013
- 4** **Project title:** PLANUMH-EDU. Máster Universitario en Ingeniería Industrial
Type of participation: Principal investigator
Time of working relationship: For a limited time
Funding entity: Universidad Miguel Hernández de Elche **Type of entity:** University
Start-End date: 20/02/2013 - 31/12/2013
- 5** **Project title:** 2nd International UMH robotics Winter school. Parallel Robots
Type of participation: Co-ordinator
Name of the main researcher: Jose Maria Sabater Navarro
Amount awarded: 6.000 €
Funding entity: Conselleria de Cultura Educació i Esport **Type of entity:** GVA
Type of call: Competitive
Start-End date: 01/01/2007 - 31/12/2007
- 6** **Project title:** 1st International UMH robotics Winter school. Telesurgery
Type of participation: Co-ordinator
Amount awarded: 2.193 €
Funding entity: Conselleria de Cultura Educació i Esport **Type of entity:** GVA
Type of call: Competitive
Start-End date: 01/02/2006 - 31/12/2006



- 7** **Project title:** IURWS 2006 - International UMH robotics Winter school.
Type of participation: Team member
Amount awarded: 3.000 €
Funding entity: MINISTERIO DE EDUCACION Y CIENCIA
Start-End date: 01/01/2006 - 31/12/2006
- 8** **Project title:** Master en Robotique. Desarrollo de un plan docente para la enseñanza de robótica
Type of participation: Principal investigator
Funding entity: Agencia Española de Cooperación Internacional
Start date: 27/11/2011
Type of entity: AECID
Duration: 1 year

Other teaching merits

I regularly participate in teaching at several universities as a visiting professor. This includes the subject of "manipulator robots" at the University of Alicante, the subject of "medical robotics" at the University of Malaga, and the subject of "robotics" at the University of Cauca.

I have also participated in two internationalization projects at home with the University of Cauca and the University of Technology of Panama.

I have promoted several international mobility agreements with Latin American universities.

I have prepared materials for various training courses offered by CEFIRE to education professionals, in addition to teaching the Master's program for teaching staff.

Plurality, interdisciplinarity and teaching complexity

After my brief tenure as a contractor at the ITQ-CSIC of the UPV, where I worked as a mass spectrometer technician, I began my career in robotics studying parallel robots and analyzing them with multibody dynamics and screw theory, gaining valuable experience in the design of robotic systems. In the field of haptics, I delved into the world of human-machine physical interaction and applied this knowledge to the design of rehabilitation robots. It was in this area of robotic rehabilitation that I specialized in biosignals and human-in-the-loop in cyber-physical systems.

I am particularly satisfied with my work on noninvasive sensors for glucose measurement and monitoring of various chronic pathologies, such as diabetes, autism spectrum disorder, and epilepsy. This background has allowed me to explore the fascinating field of surgical robot autonomy, applying learning techniques and evaluating the quality of that learning. I am particularly dedicated to analyzing the forces of interaction between the robot and the patient and increasing the autonomy of the surgical robots I design.



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** S2/1.1/E0173 AGROBOTICS-DITWINS - Ecosistema para impulsar la circularidad y la agro-robótica a través del uso de gemelos digitales
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Jose María Sabater-Navarro
N° of researchers: 5
Funding entity or bodies:
Comisión Europea **Type of entity:** SUDOE
Start-End date: 01/06/2025 - 31/05/2028
Total amount: 126.485,18 €
- 2** **Name of the project:** CPP2023-010685 Plataforma avanzada de rehabilitación para terapias personalizadas y evolutivas basadas en el impacto en las actividades cotidianas del paciente.
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Nicolas García; Jose Maria Sabater Navarro
N° of researchers: 2
Funding entity or bodies:
Ministerio de Ciencia e Innovación. AEI
Start-End date: 01/07/2024 - 30/06/2027
Total amount: 183.410,28 €
- 3** **Name of the project:** FERP-2024-226 VisionAI: algoritmos de visión artificial para el diagnóstico precoz de la Degeneración Macular Asociada a la Edad
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Gemma Navarrete; Nicolas Garcia; Angel Eduardo Parra Sanchez; Jose Maria Sabater Navarro
N° of researchers: 4
Funding entity or bodies:
fundación Eugenio rodriguez pascual **Type of entity:** Foundation
Start-End date: 03/01/2025 - 02/01/2027
Total amount: 25.000 €



4 **Name of the project:** EQC2024-007981-P Laboratorio de medidas electromagnéticas para caracterización de dispositivos de radiofrecuencia y medidas de compatibilidad electromagnética
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Erenesto Avila; Jose Maria Sabater Navarro; Angela Coves; Asias Garrigos; Javier Manuel Gozalvez
Nº of researchers: 6
Funding entity or bodies: Ministerio de Ciencia e Innovación. AEI
Start-End date: 01/01/2024 - 31/12/2026
Total amount: 718.371 €

5 **Name of the project:** INNVA1/2024/15 Sistema de detección de brain-shift y reposicionamiento del tumor en tiempo real en operaciones quirúrgicas de tumores cerebrales (BRAINDERSY)
Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Ernesto Avila Navarro; Miguel A. de la Casa Lillo; Alberto Rodriguez Martinez; Roberto Gutierrez Mazon
Nº of researchers: 5
Funding entity or bodies: Generalitat Valenciana **Type of entity:** Agencia Valenciana d'innovacio
Type of participation: Co-ordinator
Name of the programme: AVI
Code according to the funding entity: 116.443,93
Start-End date: 01/01/2024 - 31/12/2026
Total amount: 243.627,92 €

6 **Name of the project:** CIPROM/2022/16 Collaborative Intraoperative path planning for precision robotic neurosurgery
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
City of entity: Elche, Valencian Community, Spain
Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro
Nº of researchers: 8
Funding entity or bodies: Generalitat Valenciana **Type of entity:** Conselleria de Innovación, Universidades, Ciencia y Sociedad Digital. PROMETEO.
Start-End date: 01/01/2023 - 31/12/2026
Total amount: 532.234 €

7 **Name of the project:** INVEST/2022/315 Programa "Investigo" para la contratación de jóvenes investigadores
Geographical area: Regional
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

**Nº of researchers:** 4**Funding entity or bodies:**

Generalitat Valenciana

Nª people/year: 4**Type of entity:** Regional Government**Type of participation:** Co-ordinator**Start-End date:** 01/11/2022 - 31/12/2026**Total amount:** 264.871,36 €**8 Name of the project:** PID2022-138206OB-C32 Aplicación de un gemelo digital a la cirugía laparoscópica de hígado para la detención de sangrados y el replanificación intraoperatoria en tiempo real**Entity where project took place:** Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** Elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Jose Maria Sabater Navarro**Nº of researchers:** 6**Funding entity or bodies:**

Ministerio de Ciencia e Innovación. AEI

Start-End date: 01/09/2023 - 31/08/2026**Total amount:** 218.750 €**9 Name of the project:** CONCEPTO 6/2025 TeachUr. Validación para los robots de Universal Robot de un sistema de aprendizaje por demostración aplicado a tareas de rasurado**Type of project:** Demonstration, pilot projects, conceptual formulations and design of processes and services**Entity where project took place:** Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Jose Maria Sabater Navarro**Nº of researchers:** 3**Funding entity or bodies:**

Universidad Miguel Hernández de Elche

Type of entity: University**Start-End date:** 27/03/2025 - 15/01/2026**Total amount:** 10.000 €**10 Name of the project:** INNVA1/2024/59 Sistema de monitorización doméstica de la evolución de patologías relacionadas con la Enfermedad Arterial Periférica**Type of project:** Demonstration, pilot projects, conceptual formulations and design of processes and services**Entity where project took place:** Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Jose Maria Sabater Navarro**Nº of researchers:** 5**Funding entity or bodies:**

Universidad Miguel Hernández de Elche

Type of entity: University**Start-End date:** 01/01/2024 - 01/01/2026**Total amount:** 187.435,2 €**11 Name of the project:** Red iberoamericana de tecnologías aplicadas a la diabetes**Type of project:** Research and development, including transfer**Geographical area:** Non EU International



Degree of contribution: Scientific coordinator
Entity where project took place: Consorcio internacional
Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro
Nº of researchers: 35
Funding entity or bodies:
Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** cyted
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Co-ordinator
Name of the programme: CYTED
Code according to the funding entity: 220RT0004
Start-End date: 01/01/2020 - 31/12/2024 **Duration:** 4 years
Total amount: 134.000 €

12 Name of the project: ICAR-Tec.hogar - Sistema inteligente para la evaluación cuantitativa de las terapias ambulatorias en patologías asociadas al envejecimiento

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

City of entity: elche, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 3

Funding entity or bodies:

International Center of Aging Research **Type of entity:** Foundation

City funding entity: Alicante, Valencian Community, Spain

Start-End date: 07/11/2023 - 31/12/2023

Total amount: 27.807 €

13 Name of the project: IDPBook - Desarrollo de un diario de salud electrónico para la autogestión y empoderamiento de los pacientes afectados de Inmunodeficiencias Primarias.

Entity where project took place: FUNDACION PARA LA INVESTIGACION HOSPITAL UNIVERSITARIO LA FE

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Miguel Salavert Lletí; Pedro Moral Moral; Víctor García Bustos; Jose Maria Vicente Samper; Concepción Parejo Prados

Nº of researchers: 6

Start-End date: 01/01/2022 - 31/12/2022

Total amount: 5.000 €

14 Name of the project: PID2019-111023RB-C32 Evaluación de las suturas de un sistema robótico para anastomosis

Type of project: Research and development, including transfer **Geographical area:** National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

City of entity: Elche, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Ernesto Avila Navarro; Ana Sabater Marcos; Pablo Gonzalez Lopez; Miguel Almonacid Kroeger; Julia Arias Rodriguez; Hector Garcia Martinez

Nº of researchers: 7

**Funding entity or bodies:**Ministerio de Ciencia e Innovación. Investigación **Type of entity:** 0**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Principal investigator**Start-End date:** 01/06/2020 - 31/12/2022**Total amount:** 99.220 €

- 15 Name of the project:** Desarrollo y validación de una nueva Neuroprótesis Visual para ayudar a sujetos ciegos basada en microelectrodos intracorticales

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** Elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Eduardo Fernandez Jover; A. Fimia; Nicolas Garcia Aracil; Jose Sabater Navarro; C.Soto**Nº of researchers:** 5**Start-End date:** 01/01/2019 - 31/12/2022**Total amount:** 252.298 €

- 16 Name of the project:** Desarrollo y validación de una nueva Neuroprótesis Visual para ayudar a sujetos ciegos basada en microelectrodos intracorticales

Degree of contribution: Researcher**Entity where project took place:** Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** Elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Eduardo Fernandez Jover; Jose Maria Sabater Navarro**Nº of researchers:** 5**Type of participation:** Team member**Name of the programme:** Prometeo**Code according to the funding entity:** PROMETEO/2019/119**Start-End date:** 01/01/2019 - 31/12/2022**Total amount:** 252.298 €

- 17 Name of the project:** CONCEPTO2022/04 Método para la estimación cuantitativa del estado emocional de personas con TEA

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services**Entity where project took place:** Universidad Miguel Hernández de Elche **Type of entity:** University**City of entity:** elche, Valencian Community, Spain**Name principal investigator (PI, Co-PI....):** Jose Maria Sabater Navarro**Nº of researchers:** 3**Funding entity or bodies:**

Universidad Miguel Hernández de Elche

Type of entity: University**Start-End date:** 03/11/2022 - 15/11/2022**Total amount:** 10.000 €

- 18 Name of the project:** INNVAL GLUCOSA Sistema no invasivo para la caracterización bioquímica, detección de componentes, y reconstrucción biomédica 3D de tejidos biológicos

Type of project: Demonstration, pilot projects, conceptual formulations and design of processes and services**Degree of contribution:** Coordinator of total project, network or consortium



Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

City of entity: Elche, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Ernesto Avila Navarro; Miguel A. de la Casa Lillo; Alberto Rodriguez Martinez; Roberto Gutierrez Mazon

N° of researchers: 5

Funding entity or bodies:

Generalitat Valenciana

Type of entity: Agencia Valenciana d'innovacio

Type of participation: Co-ordinator

Name of the programme: AVI

Code according to the funding entity: 116.443,93

Start-End date: 01/01/2020 - 31/12/2021

Total amount: 116.443,93 €

19 Name of the project: Ayudas para la promoción de empleo joven e implantación de la Garantía Juvenil en I+D+i (PEJ)

Geographical area: Regional

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

N° of researchers: 1

Type of participation: Co-ordinator

Start-End date: 01/11/2019 - 31/12/2021

Total amount: 39.200 €

20 Name of the project: SciLED - Footwear in the 21st century: New skills for the design of drastically improved comfort, sustainable, fashion-oriented and scientifically-led footwear products

Type of project: Technical viability study

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

N° of researchers: 4

Type of participation: Team member

Start-End date: 01/01/2019 - 31/12/2021

Total amount: 58.884 €

21 Name of the project: Gestión de datos abiertos para la investigación en salud clínica

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

City of entity: elche, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

N° of researchers: 4

Funding entity or bodies:

Generalitat Valenciana

Type of entity: Regional government

Start-End date: 03/11/2021 - 15/11/2021

Total amount: 6.000 €

22 Name of the project: Diseño y validación de un sensor electrónico en el calcetín para la valoración del riesgo de ulceración del pie diabético, mediante la monitorización de la presión, temperatura y humedad del pie

Entity where project took place: Instituto de investigación sanitaria y Biomédica de Alicante

Type of entity: Healthcare Institutions



City of entity: Alicante, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Oscar Moreno Perez; Ruth Sanchez Ortiga; Esther Chicharro Luna; Alba Gracia Sanchez; Antonio Pico Alfonso

Nº of researchers: 6

Start-End date: 21/12/2021 - 20/06/2021

Total amount: 5.000 €

23 Name of the project: Plataforma para el desarrollo y validación de tecnologías para la discapacidad

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Eduardo Fernandez Jover

Nº of researchers: 5

Funding entity or bodies:

Generalitat Valenciana

Type of entity: Conselleria d'innovació

Type of participation: Team member

Code according to the funding entity: IDIFEDER/2020/018

Start-End date: 01/01/2020 - 31/12/2020

Total amount: 317.169 €

24 Name of the project: Ayuda a la transferencia tecnológica 2019

Geographical area: Regional

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 1

Start-End date: 01/01/2019 - 31/12/2019

Duration: 11 months - 30 days

Total amount: 1.000 €

25 Name of the project: DPI2016-80391-C3-2-R Sistema predictivo del brain-shift basado en mediciones de distancia no invasivas

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

City of entity: Elche, Valencian Community, Spain

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Ernesto Avila Navarro; Francisco Fernando Terol Calpena; Pablo Gonzalez Lopez; Leo Joskowicz

Nº of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: 0

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Start-End date: 01/01/2017 - 31/12/2019

Total amount: 151.000 €

26 Name of the project: Ayuda difusión de la ciencia, la tecnología y la innovación 2018

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 1



Start-End date: 01/01/2018 - 31/12/2018

Duration: 11 months - 30 days

Total amount: 1.000 €

27 Name of the project: Desarrollo y validación de un sistema de medición de glucosa no invasivo

Geographical area: Regional

Degree of contribution: Researcher

Entity where project took place: Hospital General Universitario de Alicante **Type of entity:** Healthcare Institutions

Name principal investigator (PI, Co-PI....): Oscar Moreno Perez

Nº of researchers: 3

Funding entity or bodies:

FUNDACION PARA EL FOMENTO DE LA INVESTIGACION SANITARIA Y BIOMEDICA EN LA COMUNITAT VALENCIANA

City funding entity: Spain

Type of participation: Team member

Code according to the funding entity: UGP-15-1023

Start-End date: 01/01/2016 - 31/12/2016

Total amount: 19.899,17 €

28 Name of the project: Adaptive Multimodal Interfaces to Assist Disabled People in Daily Activities

Degree of contribution: Researcher

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Nicolas Garcia Aracil

Nº of researchers: 12

Type of participation: Team member

Name of the programme: H2020-ICT-2014-1

Code according to the funding entity: GA Nº 645322

Start-End date: 01/02/2015 - 31/12/2016

Total amount: 502.130 €

Sub-project amount: 502.130 €

29 Name of the project: Gimnasio de neurorehabilitación personalizable y autoadaptable

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Nicolas Garcia Aracil

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** competitividad

City funding entity: Madrid, Community of Madrid, Spain

Code according to the funding entity: EUIN2015-62637

Start-End date: 01/01/2015 - 31/12/2016

Total amount: 24.000 €

30 Name of the project: Smart Wearable Robots with Bioinspired Sensory-Motor Skills ENTIDAD FINANCIADORA: EUROPEAN COMMISSION

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE MARIA AZORIN POVEDA

Nº of researchers: 8

Start-End date: 01/10/2013 - 30/09/2016

Duration: 2 years - 11 months - 29 days

Total amount: 316.708 €



- 31 Name of the project:** Ayuda a la transferencia tecnológica 2015
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro
Nº of researchers: 1
Start-End date: 01/01/2015 - 31/12/2015 **Duration:** 11 months - 30 days
Total amount: 1.000 €
- 32 Name of the project:** IBERADA:Red Iberoamericana para el estudio y desarrollo de aplicaciones TIC basadas en interfaces adaptadas a personas con discapacidad
Entity where project took place: Consorcio internacional
Nº of researchers: 6
Funding entity or bodies: Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** 1
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 01/01/2012 - 31/12/2015 **Duration:** 3 years - 11 months - 30 days
Total amount: 120.000 €
- 33 Name of the project:** European clearing house for open robotics development
Geographical area: European Union
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): Nicolas Garcia Aracil
Nº of researchers: 6
Funding entity or bodies: Comisión Europea **Type of entity:** Echord
City funding entity: Madrid, Community of Madrid, Spain
Name of the programme: Echord FP7-ICT-2007-2
Code according to the funding entity: GA 231143
Start-End date: 01/10/2010 - 30/06/2013 **Duration:** 3 years - 2 months - 30 days
Total amount: 354.795 €
- 34 Name of the project:** Docencia e investigación en robótica médica utilizando recursos software de código abierto
Geographical area: Non EU International
Entity where project took place: Consorcio internacional
Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro
Nº of researchers: 5
Funding entity or bodies: Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo **Type of entity:** cyted
City funding entity: Madrid, Community of Madrid, Spain
Code according to the funding entity: 509AC0372
Start-End date: 01/01/2009 - 31/12/2012 **Duration:** 3 years - 11 months - 30 days
Total amount: 134.000 €



- 35 Name of the project:** Sistema de navegación por internet basado en electrooculografía
Geographical area: National
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): JOSE MARIA AZORIN POVEDA
Nº of researchers: 5
Funding entity or bodies: Fundación Mapfre **Type of entity:** Foundation
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 22/03/2010 - 12/03/2010 **Duration:** 11 months - 30 days
- 36 Name of the project:** Estrategias de control intraoperatorio de un robot quirúrgico de aporte de energía
Geographical area: National
Degree of contribution: Coordinator of total project, network or consortium
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO
Nº of researchers: 6
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** DPI
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Principal investigator
Code according to the funding entity: DPI2008-06775-C02-01
Start-End date: 01/01/2009 - 31/12/2009 **Duration:** 11 months - 30 days
Total amount: 12.100 €
- 37 Name of the project:** DEVELOPMENT OF MULTIFUNCTIONAL MICROPROBE ARRAYS FOR CEREBRAL APPLICATIONS
Geographical area: European Union
Degree of contribution: Researcher
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): EDUARDO FERNANDEZ JOVER
Nº of researchers: 9
Funding entity or bodies: Comisión Europea **Type of entity:** FP6
City funding entity: Madrid, Community of Madrid, Spain
Name of the programme: FP6-2004-IST-4
Start-End date: 01/01/2006 - 31/12/2009 **Duration:** 3 years - 11 months - 30 days
Total amount: 390.809 € **Sub-project amount:** 691.618 €
- 38 Name of the project:** Interfaz cerebral no invasiva para control de un sistema domótico por personas discapacitadas
Geographical area: National
Name principal investigator (PI, Co-PI....): JOSE MARIA AZORIN POVEDA
Nº of researchers: 6
Funding entity or bodies: Fundación Mapfre **Type of entity:** Foundation
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member



Start-End date: 22/01/2008 - 31/03/2009
Total amount: 15.000 €

Duration: 1 year - 2 months - 9 days
Sub-project amount: 15.000 €

39 Name of the project: ARROPAR: Desarrollo de órtesis y prótesis para personas discapacitadas basadas en plataformas paralelas activas

Geographical area: Non EU International

Name principal investigator (PI, Co-PI....): Roque Saltaren Pazmiño

Nº of researchers: 12

Funding entity or bodies:

Agencia Española de Cooperación Internacional

Type of entity: AECID

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Team member

Start-End date: 16/01/2008 - 31/12/2008

Duration: 11 months - 30 days

Total amount: 24.400 €

40 Name of the project: ERGOTRIC: OBTENCION DE LAS CONDICIONES ERGONOMICAS DEL PEDALEO DE UN NIÑO PARA LA MEJORA Y OPTIMIZACIÓN DEL DISEÑO DE TRICICLOS

Entity where project took place: AIJU Centro Tecnológico

Type of entity: Technological Centre

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

Nº of researchers: 4

Funding entity or bodies:

Instituto de la pequeña y mediana empresa

Type of entity: Public Research Body

Code according to the funding entity: IMCITA/2007/31

Start-End date: 20/02/2007 - 31/12/2007

Duration: 10 months - 11 days

Total amount: 26 €

Sub-project amount: 26.000 €

41 Name of the project: IMPLEMENTACION Y EVALUACION DE UN SISTEMA AUTOMATIZADO DE ALTA RESOLUCION BASADO EN INSPECCION E IMAGENES ULTRASONICAS PARA LA DETECCION DE DEFECTOS INTERNOS EN BLOQUES DE ROCA ORNAMENTAL

Geographical area: Regional

Degree of contribution: Scientific coordinator

Entity where project took place: Instituto Tecnológico de la Construcción

Type of entity: Innovation and Technology Centres

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

Nº of researchers: 6

Funding entity or bodies:

Conselleria de Cultura Educació i Esport

Type of entity: Industria

City funding entity: Valencia, Valencian Community, Spain

Type of participation: Principal investigator

Code according to the funding entity: IIARC0/2004/275

Start-End date: 01/01/2004 - 31/12/2005

Duration: 1 year - 11 months - 30 days

Total amount: 9.066,82 €

Sub-project amount: 9.066,82 €

42 Name of the project: Ayuda a la transferencia tecnológica

Entity where project took place: Universidad Miguel Hernández de Elche

Type of entity: University

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 1

Start date: 01/01/2014

Duration: 11 months - 15 days



43 Name of the project: Interfaz de supervisión y control cooperativo del campo operatorio para cirugía laparoscópica asistida con la mano.

Geographical area: National

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

N° of researchers: 4

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación **Type of entity:** 1

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Code according to the funding entity: DPI2013-47196-C3-2-R

Start date: 01/01/2014

Duration: 2 years - 11 months - 30 days

Sub-project amount: 108.000 €

Dedication regime: Full time

44 Name of the project: Agarre y manipulación robótica bimanual para el empaquetado de zapatos

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): CARLOS PEREZ VIDAL

N° of researchers: 5

Funding entity or bodies:

Ministerio de Ciencia e Innovación **Type of entity:** Industria

City funding entity: Madrid, Community of Madrid, Spain

Code according to the funding entity: PRI-AIBDE-2011-1219

Start date: 01/12/2011

Duration: 2 years

Total amount: 3.915 €

45 Name of the project: Simulador quirúrgico e interfaz persona-máquina para la asistencia en técnicas sils/notes.

Geographical area: National

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

N° of researchers: 9

Funding entity or bodies:

Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Innovación

City funding entity: Madrid, Community of Madrid, Spain

Type of participation: Principal investigator

Code according to the funding entity: DPI2010-21126-C03-02

Start date: 01/01/2011

Duration: 3 years - 11 months - 30 days

Sub-project amount: 192.390 €

46 Name of the project: Asesoramiento y generación de planos de fabricación del sistema "Yoli"

Type of project: Technical viability study **Geographical area:** National

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO



Nº of researchers: 1

Type of participation: Principal investigator

Code according to the funding entity: YOLI

Start date: 06/04/2010

47 Name of the project: Asesoramiento técnico para la incorporación de un pequeño robot manipulador de 3 g.d.l. a la línea "YOLI" de manipulación de alimentos

Type of project: Technical viability study

Geographical area: Regional

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universidad Miguel Hernández de Elche

Type of entity: University

Name principal investigator (PI, Co-PI...): JOSE MARIA SABATER NAVARRO

Nº of researchers: 1

Funding entity or bodies:

Ingerimec S.L.

Type of entity: Business

Type of participation: Principal investigator

Start date: 12/09/2009

48 Name of the project: REHABILITATION ROBOTICS

Geographical area: Regional

Entity where project took place: Universidad Miguel Hernández de Elche

Type of entity: University

Name principal investigator (PI, Co-PI...): NICOLAS MANUEL GARCIA ARACIL

Nº of researchers: 5

Type of participation: Team member

Name of the programme: Conselleria de educació

Start date: 01/01/2008

Duration: 11 months - 30 days

49 Name of the project: VIRTUAL REALITY AND ROBOTICS LAB

Name principal investigator (PI, Co-PI...): NICOLAS MANUEL GARCIA ARACIL

Nº of researchers: 4

Start date: 01/01/2007

Duration: 1 year - 11 months - 30 days

50 Name of the project: INTERFAZ HAPTICA PARALELA PARA ENTRENAMIENTO MEDICO EN OPERACIONES DE TELECIRUGIA MEDIANTE USO DE CAMPOS DE FUERZA VIRTUALES

Geographical area: Regional

Degree of contribution: Coordinator of total project, network or consortium

Entity where project took place: Universidad Miguel Hernández de Elche

Type of entity: University

Name principal investigator (PI, Co-PI...): JOSE MARIA SABATER NAVARRO

Nº of researchers: 3

Funding entity or bodies:

Conselleria de Cultura Educació i Esport

Type of entity: Industria

City funding entity: Valencia, Valencian Community, Spain

Type of participation: Principal investigator

Code according to the funding entity: GV06/034

Start date: 01/01/2006

Duration: 1 year - 11 months - 30 days

Sub-project amount: 16.105 €



- 51** **Name of the project:** TECNICAS AVANZADAS DE TELEOPERACION Y REALIMENTACION SENSORIAL APLICADAS A LA CIRUGIA ASISTIDA POR ROBOTS
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL
Nº of researchers: 6
Funding entity or bodies: Comisión Interministerial de Ciencia y Tecnología **Type of entity:** DPI
City funding entity: Madrid, Community of Madrid, Spain
Code according to the funding entity: DPI2005-08203-C02-02
Start date: 31/12/2005 **Duration:** 2 years - 11 months - 30 days
Sub-project amount: 98.413 €
- 52** **Name of the project:** DESARROLLO DE TECNICAS AVANZADAS DE REALIMENTACION SENSORIAL APLICADAS A CIRUGIA ASISTIDA POR ROBOTS
Degree of contribution: Researcher
Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL
Nº of researchers: 4
Funding entity or bodies: Conselleria de Cultura Educació i Esport **Type of entity:** Industria
City funding entity: Valencia, Valencian Community, Spain
Code according to the funding entity: GV05-192
Start date: 01/01/2005 **Duration:** 1 year - 11 months - 30 days
Sub-project amount: 23.059,69 €
- 53** **Name of the project:** HERRAMIENTAS DE TELEOPERACION COLABORATIVA. APLICACION AL CONTROL COOPERATIVO DE ROBOTS
Degree of contribution: Researcher
Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University
Name principal investigator (PI, Co-PI....): ÓSCAR REINOSO GARCÍA
Nº of researchers: 8
Funding entity or bodies: Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Tecnología
City funding entity: Madrid, Community of Madrid, Spain
Type of participation: Team member
Code according to the funding entity: DPI2004-07433-C02-01
Start date: 13/12/2004 **Duration:** 2 years - 11 months - 30 days
Sub-project amount: 89.125 €
- 54** **Name of the project:** RED DE INVESTIGACION DE LA PIEDRA NATURAL
Geographical area: Regional
Entity where project took place: Instituto Tecnológico de la Construcción **Type of entity:** Innovation and Technology Centres
Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO
Nº of researchers: 4
Funding entity or bodies: Conselleria de Cultura Educació i Esport **Type of entity:** Industria
City funding entity: Valencia, Valencian Community, Spain
Code according to the funding entity: IIAIRC0/2004/284

**Start date:** 01/01/2004**Duration:** 1 year - 11 months - 30 days**Sub-project amount:** 4.323,26 €

55 Name of the project: TECNICAS AVANZADAS EN LA TELEMANIPULACION DE OBJETOS SOLIDOS DEFORMABLES. APLICACIONES A SISTEMAS DE CIRUGIA ROBOTIZADA ASISTIDA

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE MARIA AZORIN POVEDA

Nº of researchers: 5

Funding entity or bodies:

Conselleria de Cultura Educació i Esport

Type of entity: Universidades

City funding entity: Valencia, Valencian Community, Spain

Code according to the funding entity: GV04A-667

Start date: 01/01/2004

Duration: 1 year - 11 months - 30 days

Sub-project amount: 12.050 €

56 Name of the project: ESTUDIO DE DIFERENTES METODOS AUTOMATICOS DE MEDICION DE CONDUCTIVIDAD ELECTRICA EN LECHE PARA LA DETECCION DE MAMITIS DURANTE EL ORDEÑO DE GANADO CAPRINO

Geographical area: Regional

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): JOSE RAMON DIAZ SANCHEZ

Nº of researchers: 4

Funding entity or bodies:

Universidad Miguel Hernández de Elche

Type of entity: University

City funding entity: Elche, Valencian Community, Spain

Code according to the funding entity: 36.IP/541.MY.01/68302

Start date: 01/07/2002

Duration: 1 year - 11 months - 29 days

Sub-project amount: 12.020 €

Dedication regime: Full time

57 Name of the project: AUTOMATIZACION DE TAREAS COMPLEJAS EN ROBOTICA MOVIL MEDIANTE SISTEMAS INTELIGENTES

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): ÓSCAR REINOSO GARCÍA

Nº of researchers: 8

Funding entity or bodies:

Consellería de Bienestar Social de la Generalitat Valenciana

Type of entity: CTIDIA/2002/03

City funding entity: Valencia, Valencian Community, Spain

Code according to the funding entity: CTIDIA/2002/03

Start date: 01/01/2002

Duration: 1 year - 11 months - 30 days

Sub-project amount: 20.052,47 €

58 Name of the project: MODELADO DE ESPACIOS VIRTUALES PARA ENTRENAMIENTO DE SISTEMAS TELEOPERADOS EN ENTORNOS DINAMICOS

Type of project: Research and development, including transfer

Geographical area: National

Degree of contribution: Current university student



Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): ÓSCAR REINOSO GARCÍA

Nº of researchers: 6

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Universidades **Type of entity:** 1

City funding entity: Madrid, Community of Madrid, Spain

Name of the programme: Desarrollo y Producción Industrial

Code according to the funding entity: DPI2001-3827-C02-02

Start date: 28/12/2001

Duration: 2 years - 11 months - 30 days

Sub-project amount: 34.558,22 €

59 Name of the project: AREA YIELD IMPROVEMENT IN THE FABRICATION OF LEATHER, ENHANCING LEATHER CHARACTERISTICS AND DIMINISHING ENVIRONMENTAL IMPACT ENTIDAD FINANCIADORA: COMISION EUROPEA

Type of project: Industrial research

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Universidad Miguel Hernández de Elche **Type of entity:** University

Name principal investigator (PI, Co-PI....): Maria Jose Frutos Fernández

Nº of researchers: 17

Funding entity or bodies:

Comisión Europea

Type of entity: FP6 - CRAFT

City funding entity: Madrid, Community of Madrid, Spain

Name of the programme: GROWTH

Code according to the funding entity: CRAFT-1999-70460 / G1ST-CT-2001-50063

Start date: 01/08/2001

Duration: 2 years

Sub-project amount: 296.500 €

R&D non-competitive contracts, agreements or projects with public or private entities

1 Name of the project: Algoritmo de control y algoritmo de monitorización para la telerehabilitación multimodal asistida por dispositivos robóticos

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 1

Funding entity or bodies:

Innovative devices for rehabilitation and assistance S.L

City funding entity: Elche, Valencian Community, Spain

Start date: 01/12/2020

Duration: 2 years

Total amount: 8.300 €

2 Name of the project: Desarrollo de un sistema de monitorización del bienestar en un entorno de clínica de rehabilitación

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro

Nº of researchers: 1

Funding entity or bodies:

Innovative devices for rehabilitation and assistance S.L



City funding entity: Elche, Valencian Community, Spain

Start date: 01/12/2020

Duration: 2 years

Total amount: 6.500 €

3 Name of the project: Evaluación, optimización e implementación de un servicio para la monitorización ambulante del estrés en personas mayores

Degree of contribution: Coordinator of total project, network or consortium

Nº of researchers: 1

Participating entity/entities: GeroCleop S.L.

Funding entity or bodies:

GeroCleop S.L.

Start date: 25/03/2019

Duration: 1 year - 11 months - 5 days

4 Name of the project: Optimización de un bastón inteligente para discapacitados visuales

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Eduardo Fernandez Jover; Jose Maria Sabater Navarro

Nº of researchers: 2

Funding entity or bodies:

Instead Technologies for helping people

City funding entity: Elche, Valencian Community, Spain

Start date: 21/09/2018

Duration: 2 years

Total amount: 2.744 €

5 Name of the project: Dispositivos electrónicos para la mejora de la calidad de vida en pacientes con enfermedades crónicas

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): Jose Maria Sabater Navarro; Ernesto Avila Navarro; Nicolas Garcia Aracil

Nº of researchers: 2

Funding entity or bodies:

Instead Technologies for helping people

Type of entity: Business

Start date: 12/06/2018

Duration: 4 years

Total amount: 7.000 €

6 Name of the project: Desarrollo de una aplicación de una Guía de Práctica Clínica para el tratamiento del dolor neuropático

Degree of contribution: Coordinator of total project, network or consortium

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO; D. Orozco; O. Moreno

Nº of researchers: 3

Funding entity or bodies:

MundiPharma Pharmaceuticals S.L.

Start date: 17/10/2016

Duration: 1 month - 29 days

Total amount: 22.000 €

7 Name of the project: Asesoría en el proceso del desarrollo de una aplicación para dispositivos móviles que sea capaz de mostrar de forma gráfica el estado tensional de la espalda antes y después de un masaje con el sillón multimasaje H10

Degree of contribution: Researcher



Name principal investigator (PI, Co-PI....): ABEL RIQUELME NAVARRO ARCAS; Nicolas Garcia Aracil; Jose Maria Sabater Navarro

Nº of researchers: 3

Funding entity or bodies:

Keyton Tech Corporation S.L.

Type of entity: Business

Start date: 19/01/2016

Duration: 3 months

Total amount: 1.500 €

8 Name of the project: Estudio, análisis y confección de guía de beneficios alcanzables con el sillón con sistema multimasaje KEYTON

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): ABEL RIQUELME NAVARRO ARCAS; Nicolas Garcia Aracil; Jose Maria Sabater Navarro

Nº of researchers: 3

Funding entity or bodies:

Keyton Tech Corporation S.L.

Type of entity: Business

Start date: 19/01/2016

Duration: 3 months

Total amount: 1.500 €

9 Name of the project: Determinación de opsinas en la piel

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): Eduardo Fernandez Jover; Jose Maria Sabater Navarro

Nº of researchers: 2

Funding entity or bodies:

Lubrizol Advanced Materials Inc.

Start date: 18/11/2015

Duration: 3 months

Total amount: 19.182 €

10 Name of the project: Adenda al contrato "Sistemas avanzados de ayuda para la administración temprana de terapias de neurorrehabilitación"

Degree of contribution: Contrato

Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL

Nº of researchers: 4

Funding entity or bodies:

Centro Medico Salus Baleares

Type of entity: Healthcare Institutions

Start date: 01/05/2015

Duration: 8 months - 29 days

Total amount: 25.000 €

11 Name of the project: Valoración de los efectos del sillón con sistema multimasaje en los músculos de la espalda

Degree of contribution: Researcher

Name principal investigator (PI, Co-PI....): ABEL RIQUELME NAVARRO ARCAS

Nº of researchers: 3

Funding entity or bodies:

Keyton Tech Corporation S.L.

Type of entity: Business

Start date: 05/02/2015

Duration: 5 months - 30 days

Total amount: 4.000 €



- 12** **Name of the project:** Desarrollo de una aplicación multiplataforma para la implementación de una Guía de Práctica Clínica para el tratamiento de la Diabetes tipo 2
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO
Nº of researchers: 1
Funding entity or bodies:
Novo Nordisk Pharma, S.A. **Type of entity:** Business
City funding entity: Madrid, Community of Madrid, Spain
Start date: 28/02/2014 **Duration:** 2 months
Total amount: 25.000 €
- 13** **Name of the project:** Sistemas avanzados de ayuda para la administración temprana de terapias de neurorehabilitación
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL
Nº of researchers: 4
Funding entity or bodies:
Centro Médico Salus Baleares S.L. **Type of entity:** Business
Start date: 30/12/2012 **Duration:** 1 year - 10 months - 1 day
Total amount: 185.000 €
- 14** **Name of the project:** DESARROLLO DE SISTEMAS PRODUCTIVOS Y CONSTRUCTIVOS QUE CONTRIBUYAN A LA EFICIENCIA ENERGETICA E INDUSTRIALIZACION EN CONSTRUCCION-EFINDUS
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL
Nº of researchers: 2
Funding entity or bodies:
Instituto Tecnológico de la Construcción **Type of entity:** Innovation and Technology Centres
City funding entity: Paterna, Valencian Community, Spain
Start date: 12/11/2010 **Duration:** 1 month - 19 days
Total amount: 15.000 €
- 15** **Name of the project:** ROBOT ASISTENTE UNIPERSONAL PARA REHABILITACION DE EXTREMIDADES SUPERIORES
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): EDUARDO FERNANDEZ JOVER
Nº of researchers: 5
Funding entity or bodies:
Casaverde **Type of entity:** Business
Start date: 12/12/2008 **Duration:** 1 year - 11 months - 30 days
Total amount: 125.000 €
- 16** **Name of the project:** INVESTIGACION Y DESARROLLO DE UNA MAQUINA SEPARADORA DE LIQUIDOS Y SOLIDOS DE ALTO RENDIMIENTO
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): CARLOS PEREZ VIDAL
Nº of researchers: 4
Funding entity or bodies:
Automatismos ABAG S.L. **Type of entity:** Business



Start date: 30/10/2008

Duration: 2 months - 1 day

Total amount: 6.750 €

17 Name of the project: ERGO TRIC - OBTENCION DE LAS CONDICIONES ERGONOMICAS DEL PEDALEO DE UN NIÑO PARA LA MEJORA Y OPTIMIZACION DEL DISEÑO DE TRICICLOS

Degree of contribution: Contrato

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

Nº of researchers: 1

Funding entity or bodies:

AIJU Centro Tecnológico

Type of entity: Technological Centre

City funding entity: Alicante, Valencian Community, Spain

Start date: 08/06/2007

Duration: 6 months - 23 days

Total amount: 0 €

18 Name of the project: APOYO TECNOLOGICO PARA LA IMPLANTACION DE UN SISTEMA DOMOTICO EN VIVIENDAS DE NUEVA CONSTRUCCION

Degree of contribution: Contrato

Name principal investigator (PI, Co-PI....): CARLOS PEREZ VIDAL

Nº of researchers: 4

Funding entity or bodies:

Suelo Industrial Roymar S.L.

Type of entity: Business

Start date: 24/03/2006

Duration: 4 months - 17 days

Total amount: 8.062 €

19 Name of the project: ACUERDO DE CONSORCIO PARA LA REALIZACION DE UNA RED DE INVESTIGACION "RED-PREN" EN EL MARCO DE LAS ACCIONES DE ARTICULACION DEL SISTEMA VALENCIANO DE CIENCIA-TECNOLOGIA-EMPRESA (SVCTE)

Degree of contribution: Contrato

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

Nº of researchers: 1

Funding entity or bodies:

Instituto Tecnológico de la Construcción

Type of entity: Innovation and Technology Centres

City funding entity: Paterna, Valencian Community, Spain

Start date: 11/07/2005

Duration: 5 months - 20 days

20 Name of the project: IMPLEMENTACION Y EVALUACION DE UN SISTEMA AUTOMATIZADO DE ALTA RESOLUCION BASADO EN INSPECCION E IMAGENES ULTRASONICAS PARA LA LOCALIZACION DE DEFECTOS INTERNOS - SCANBLOCK

Degree of contribution: Contrato

Name principal investigator (PI, Co-PI....): JOSE MARIA SABATER NAVARRO

Nº of researchers: 1

Funding entity or bodies:

Instituto Tecnológico de la Construcción

Type of entity: Innovation and Technology Centres

City funding entity: Paterna, Valencian Community, Spain

Start date: 15/11/2004

Duration: 1 year - 11 months - 29 days

Total amount: 0 €



- 21** **Name of the project:** DISEÑO, PROGRAMACION Y PUESTA A PUNTO DEL SISTEMA DE CONTROL DE UNA MAQUINA DE FABRICAR PALETS DE CARTON
Degree of contribution: Contrato
Name principal investigator (PI, Co-PI....): NICOLAS MANUEL GARCIA ARACIL
Funding entity or bodies:
TAMEGAR, S.L.
City funding entity: Spain
Start date: 27/03/2002 **Duration:** 8 months - 30 days
Total amount: 5.940 €

Results

Industrial and intellectual property

- 1** **Title registered industrial property:** Methods and systems for generating trajectories for a robotic system
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: EP25382177
Country of inscription: Spain
Date of register: 26/02/2025
- 2** **Title registered industrial property:** Sistema robotizado vestible para el control de los movimientos de la muñeca y antebrazo
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: P201930231
Country of inscription: Spain, Valencian Community
Date of register: 13/04/2019
Conferral date: 14/05/2021
- 3** **Title registered industrial property:** Mastitis Predictor
Type of industrial property: Registro de propiedad intelectual
Inventors/authors/obtainers: Jose Maria Sabater Navarro
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: 09/2017/1528
Date of register: 29/07/2016
Conferral date: 04/08/2017
- 4** **Title registered industrial property:** Dispositivo robótico modular y auto-adaptativo para la rehabilitación de la mano
Type of industrial property: Patent of invention
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: 201400643
Date of register: 31/07/2014
Conferral date: 02/11/2016
- 5** **Title registered industrial property:** Dispositivo no invasivo para medir nivel de glucosa en sangre y método que hace uso del mismo
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Jose Maria Sabater Navarro; Enrique Bronchalo; German Torregrosa; Ernesto Avila; Oscar Moreno



Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: ES 201531702
Date of register: 25/11/2015
Conferral date: 25/11/2015
Spanish patent: Yes
PCT patent: Yes

6 Title registered industrial property: Sistema automático de control de cámara hiperbólica múltiple
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Carlos Perez Vidal; Jose Maria Sabater Navarro
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: ES 201101335
Country of inscription: Spain
Date of register: 14/12/2011
Conferral date: 22/04/2014

7 Title registered industrial property: Brazo telorobótico de configuración paralela para aplicaciones de cirugía mínima invasiva
Type of industrial property: Patent of invention
Inventors/authors/obtainers: Jose Maria Sabater Navarro; Eduardo Fernandez Jover; Nicolas García Aracil; Carlos Perez Vidal; Jose Maria Azorin
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: ES 201001008
Country of inscription: Spain
Date of register: 30/07/2010
Conferral date: 30/01/2014
Spanish patent: Yes
PCT patent: Yes
Operating aut.region/region: Spain
Creating an innovative enterprise: Yes
Products: Instead Technologies for helping people S.L.

8 Title registered industrial property: iProstate
Type of industrial property: Registro de propiedad intelectual
Inventors/authors/obtainers: Jose Maria Sabater Navarro
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: 09/2011/1874
Date of register: 04/02/2011
Conferral date: 22/05/2012
Products: iProstate software

9 Title registered industrial property: Dispositivo de medida de la conductividad eléctrica en fluidos de pequeño caudal
Type of industrial property: Utility model
Inventors/authors/obtainers: Jose Ramón Diaz Sanchez; Gema Romero Moraleda; Jose Maria Sabater Navarro; Amparo Roca
Entity holder of rights: Universidad Miguel Hernández de Elche
N° of application: ES 1 075 767 U
Country of inscription: Spain
Date of register: 08/06/2011
Conferral date: 17/02/2012



EU patent: Yes

10 Title registered industrial property: Robotic arm for controlling arm movement

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Jose Maria Sabater Navarro; Eduardo Fernandez Jover; jose Maria Azorin Poveda; Nicolas Garcia Aracil

Entity holder of rights: Universidad Miguel Hernández de Elche

Nº of application: ES 200802340

Country of inscription: Spain

Date of register: 05/08/2008

Conferral date: 26/01/2012

Spanish patent: Yes

EU patent: Yes

International non-EU patent: Yes

PCT patent: Yes

Licences: Yes

Operating aut.region/region: Spain

Exclusive use: Yes

Products: Robotherapist

11 Title registered industrial property: Suitable apparatus for the rehabilitation therapy of patients with brain damage

Type of industrial property: Patent of invention

Inventors/authors/obtainers: Manuel Menchón; Elena Sánchez; Jose Maria Sabater Navarro; Eduardo Fernandez Jover; Nicolás Garcia Aracil; Carlos Pérez Vidal

Entity holder of rights: Alboaires S.A.

Nº of application: EP 2535032 A1

Date of register: 13/06/2011

Conferral date: 05/08/2011

EU patent: Yes

12 Title registered industrial property: DISPOSITIVO JOYSTICK ROBÓTICO DE ARQUITECTURA PARALELA DE 6 GRADOS DE LIBERTAD CON PERCEPCIÓN DE FUERZAS Y POSICIÓN

Inventors/authors/obtainers: Jose Maria Sabater Navarro; Roque Saltaren Pazmiño; Rafael Aracil Santonja; Oscar Reinoso Garcia

Entity holder of rights: Universidad Miguel Hernández de Elche

Nº of application: ES 200302351

Date of register: 09/10/2003

Results: Failure

Results derived from specialized and transfer activities, not included in previous sections

1 Description: Desarrollo de una app para la gestión de bolos duales en el control de la diabetes. DualBolus

Name of the principal Investigator (PI): Jose Maria Sabater Navarro

Degree of contribution: Scientific coordinator

Start date: 01/06/2016

2 Description: Desarrollo de una app para la monitorización continua de glucosa con el dispositivo Freestyle Libre

Name of the principal Investigator (PI): Jose Maria Sabater Navarro

Degree of contribution: Managing coordinator

Start date: 03/01/2016



Knowledge transfer and exchange

Spin-off promoter:
 Instead Technologies for helping people.
 Neurovital Clinic.
 One six-year transfer period.

I have three clinical apps available for free on different platforms:

- * Dualbolus, a carbohydrate, fat, and protein calculator;
- * Glucoguard, an app for reading glucose sensors via BLE;
- * ieDiabetes, an app for managing type 2 diabetes.

Scientific and technological activities

Scientific production

H index: 29
Date of application: 02/11/2024
Source of H-Index: GOOGLE SCHOLAR

Publications, scientific and technical documents

- 1** Carolina Blanco Angulo; Alberto Martinez Rodriguez; Carlos Gabriel Juan Poveda; Hector Garcia Martinez; Jose Maria Sabater Navarro; Ernesto Ávila-Navarro. Towards Intraoperative Brain-Shift Detection Through Microwave Imaging System. IEEE Transactions on Instrumentation and Measurement. 72 - 4011411, IEEE, 01/09/2023. ISSN 0018-9456
DOI: 10.1109/TIM.2023.3315363
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Relevant publication: Yes
- 2** Manrique-Cordoba, J.; Martorell, C.; Romero-Ante, JD; Sabater-Navarro, J.M.. Neural Tract Avoidance Path-Planning Optimization: Robotic Neurosurgery. Applied Sciences. 14 - 3687, MDPI, 26/05/2024. Available on-line at: <<https://www.mdpi.com/2076-3417/14/9/3687>>. ISSN 2076-3417
DOI: 10.3390/app14093687
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 3** Romero-Ante, JD; Chicharro, E.; Manrique-Cordoba, J.; Jose Maria; Gracia-Sanchez, A.; Sabater-Navarro, J.M.. Validation of a New Ankle Brachial Index Measurement System Using Pulse Wave Velocity. Biosensors. 14 - 5, MDPI, 26/05/2024. Available on-line at: <<https://www.mdpi.com/2079-6374/14/5/251>>. ISSN 2079-6374
DOI: 10.3390/bios14050251
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes

- 4** Martinez Lozano, A.; Gutierrez Mazon, R.; Juan Poveda, C.; Blanco Angulo, C.; Garcia Martinez, H.; Torregrosa, G.; Sabater-Navarro, J.M.; Avila Navarro, E. Microwave Imaging System Based on Signal Analysis in a Planar Environment for Detection of Abdominal Aortic Aneurysms. *Biosensors*. 12 - 9, MDPI, 18/03/2024. Available on-line at: <<https://doi.org/10.3390/bios14030149>>. ISSN 2079-6374
DOI: 10.3390/bios14030149
Type of production: Scientific paper
Position of signature: 7
Total no. authors: 8
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 5** A.L. Guerrero; O.A. Vivas; Jose Maria Sabater Navarro. Sistema de rehabilitación de motricidad fina de miembro superior utilizando juegos serios. *Revista Ingenieria y Desarrollo*. 31/10/2023. ISSN 2145-9371
DOI: 10.14482/inde.41.01.615.985
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 6** Juan Sebastian Montenegro Bravo; Juan David Ruiz Florez; JD Romero; J. Manrique; O.A. Vivas; Jose Maria Sabater Navarro. Generator 3D de trayectorias libres de colisiones para un manipulador UR3e con pinza blanda. *Revista Iberoamericana de Automática e Informática industrial*. 13/07/2023. ISSN 1697-7912
DOI: 10.4995/riai.2023.19332
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 7** Jose Maria Vicente Samper; Cristian Tamantini; Ernesto Avila Navarro; Miguel Ángel De la Casa Lillo; Loredana Zollo; Jose Maria Sabater Navarro; Francesca Cordella. An ML-Based Approach to Reconstruct Heart Rate from PPG in Presence of Motion Artifacts. *biosensors*. 13 - 718, MDPI, 07/07/2023.
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 8** J. Manrique; JD Romero; JM Vicente-Samper; Jose Maria Sabater Navarro. Modelado de la influencia del ciclo menstrual en el sistema glucosa-insulina en individuos sanas. *Revista Iberoamericana de Automática e Informática industrial*. 28/06/2023. ISSN 1697-7912
DOI: 10.4995/riai.2023.18533
Type of production: Scientific paper
Format: Journal
Corresponding author: Yes
- 9** Carolina Blanco; Andrea Martinez; Julia Arias; Alberto Rodriguez; Jose Maria Vicente; Jose Maria Sabater Navarro; Ernesto Avila. Low-Cost direct-writing of silver-based ink for planar microwave circuits up to 10 GHz. *IEEE Access*. 8, pp. 183596 - 183605. IEEE, 06/01/2023. Available on-line at: <[10.1109/ACCESS.2020.3029692](https://doi.org/10.1109/ACCESS.2020.3029692)>. ISSN 2169-3536
DOI: 10.1109/ACCESS.2023.3234772
Type of production: Scientific paper
Position of signature: 6
Total no. authors: 7
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 10** Carlos Juan Poveda; Enrique Bronchalo; Benjamin Potelon; Cedric Quando; Victor Muñoz; Jose Manuel Ferrandez; Jose Maria Sabater Navarro. On the selectivity of planar microwave glucose sensors with multicomponent solutions. *Electronics*. 12 - 191, MDPI, 30/12/2022. Available on-line at: <<https://doi.org/10.3390/electronics12010191>>. ISSN 2079-9292
DOI: 10.3390/electronics12010191
Type of production: Scientific paper
Position of signature: 7
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 7**Corresponding author:** Yes

- 11** Zambrana Vinaroz, D.; Vicente-Samper, JM.; Juliana Manrique; Sabater-Navarro, J.M.. Wearable Epileptic Seizure Prediction System Based on Machine Learning Techniques Using ECG, PPG and EEG Signals. *Sensors*. 22 - 9372, MDPI, 01/12/2022. Available on-line at: <<https://doi.org/10.3390/s22239372>>. ISSN 1424-8220

DOI: 10.3390/s22239372**Type of production:** Scientific paper**Position of signature:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Total no. authors:** 4

- 12** Blanco Angulo, C.; Martinez Lozano, A.; Gutierrez Mazon, R.; Juan Poveda, C.; Garcia Martinez, H.; Arias Rodriguez, J.; Sabater-Navarro, J.M.; Avila Navarro, E. Non-Invasive Microwave-Based Imaging System for Early Detection of Breast Tumours. *Biosensors*. 12 - 9, MDPI, 12/09/2022. Available on-line at: <<https://doi.org/10.3390/bios12090752>>. ISSN 2079-6374

DOI: 10.3390/bios12090752**Type of production:** Scientific paper**Position of signature:** 7**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Total no. authors:** 8

- 13** Blanco Angulo, C.; Martinez Lozano, A.; Juan Poveda, C.; Gutierrez Mazon, R.; Arias Rodriguez, J.; Avila Navarro, E.; Sabater-Navarro, J.M.. Validation of an RF Image System for Real-Time Tracking Neurosurgical Tools. *Sensors*. 22 - 3845, MDPI, 09/05/2022. Available on-line at: <<https://doi.org/10.3390/s22103845>>. ISSN 1424-8220

DOI: 10.3390/s22103845**Type of production:** Scientific paper**Position of signature:** 7**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Total no. authors:** 7

- 14** Zambrana Vinaroz, D.; Vicente-Samper, JM.; Sabater-Navarro, J.M.. Validation of Continuous Monitoring System for Epileptic Users in Outpatient Settings. *Sensors*. 22 - 2900, MDPI, 09/04/2022. Available on-line at: <<https://doi.org/10.3390/s22082900>>. ISSN 1424-8220

DOI: 10.3390/s22082900**Type of production:** Scientific paper**Position of signature:** 3**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Total no. authors:** 3

- 15** Carlos Juan Poveda; Benjamin Potelon; C. Quedo; Ernesto Avila Navarro; Enrique Bronchalo; Jose Maria Sabater Navarro. Study of Qu-Based Resonant Microwave Sensors and Design of 3-D-Printed Devices Dedicated to Glucose Monitoring. *IEEE Transactions on instruments and measurements*. 70 - 7, pp. 1 - 16. IEEE, 25/10/2021. ISSN 0018-9456

DOI: 10.1109/TIM.2021.3122525**Type of production:** Scientific paper**Corresponding author:** Yes**Impact source:** WOS (JCR)**Format:** Journal**Category:** Science Edition - INSTRUMENTS & INSTRUMENTATION**Journal in the top 25%:** Yes**No. of journals in the cat.:** 61**Impact index in year of publication:****Position of publication:** 14

- 16** K. Correa-Arana; N. Bermejo; OA Vivas; JM Sabater-Navarro. Performance evaluation of a computational model for brain shift calculation. *International Journal of Medical Engineering and Informatics*. 13 - 4, Inderscience, 28/04/2021. Available on-line at: <<https://www.inderscience.com/info/inarticle.php?artid=115961>>.
DOI: 10.1504/IJMEI.2021.10037428
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 17** Muñoz, V.F.; Garcia-Morales, I.; Fraile-Marinero, J.C.; Perez-Turiel, J.; Muñoz-Garcia, A; Bauzano, E.; Rivas-Blanco, I; Sabater-Navarro, J.M.; Fuente, E.d.l.. Collaborative Robotic Assistant Platform for Endonasal Surgery: Preliminary In-Vitro Trials. *Sensors*. 21 - 7, MDPI, 26/03/2021. Available on-line at: <<https://doi.org/10.3390/s21072320>>. ISSN 1424-8220
DOI: <https://doi.org/10.3390/s21072320>
Type of production: Scientific paper **Format:** Journal
Position of signature: 8 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 9 **Corresponding author:** No
- 18** Vicente-Samper, J.M.; Avila-Navarro, E.; Esteve, V.; Sabater-Navarro, J.M.. Intelligent Monitoring Platform to Evaluate the Overall State of People with Neurological Disorders. *Applied Sciences*. 11 - 6, MDPI, 20/03/2021. Available on-line at: <<https://doi.org/10.3390/app11062789>>. ISSN 2076-3417
DOI: <https://doi.org/10.3390/app11062789>
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 19** Andrea Martinez Lozano; Carolina Blanco; Hector Garcia; Roberto Gutierrez Mazon; German Torregrosa; Ernesto Avila Navarro; Jose Maria Sabater Navarro. UWB-Printed Rectangular-Based Monopole Antenna for Biological Tissue Analysis. *Electronics*. 10 - 304, MDPI, 27/01/2021. Available on-line at: <<https://doi.org/10.3390/electronics10030304>>. ISSN 2079-9292
DOI: <https://doi.org/10.3390/electronics10030304>
Type of production: Scientific paper **Format:** Journal
Position of signature: 7 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 7 **Corresponding author:** Yes
- 20** Jose Maria Vicente; Ernesto Avila; Jose Maria Sabater Navarro. Data Acquisition Devices Towards a System for Monitoring Sensory Processing Disorders. *IEEE Access*. 8, pp. 183596 - 183605. IEEE, 08/10/2020. Available on-line at: <[10.1109/ACCESS.2020.3029692](https://doi.org/10.1109/ACCESS.2020.3029692)>. ISSN 2169-3536
DOI: <https://doi.org/10.1109/ACCESS.2020.3029692>
Type of production: Scientific paper **Format:** Journal
Position of signature: 3 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 3 **Corresponding author:** Yes
- 21** Jose Maria Vicente Samper; E.Avila; Alberto Rodriguez; Miguel Angel de la Casa Lillo; Jose Maria Sabater Navarro. NFC2BLE Communications Bridge: From Flash to Continuous Monitoring of Biological Parameters. *ELEKTRONIKA IR ELEKTROTECHNIKA*. 26 - 2, pp. 54 - 58. 24/04/2020. Available on-line at: <<https://eejournal.ktu.lt/index.php/elt/article/view/25907>>. ISSN 1392-1215
DOI: <https://doi.org/10.5755/j01.eie.26.2.25907>
Type of production: Scientific paper **Format:** Journal
Position of signature: 5 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5 **Corresponding author:** Yes

- 22** LD. Bolaños; JM Vicente; O.A. Vivas; Jose Maria Sabater Navarro. Electrodermal activity in relation to diabetes, autonomic neuropathy and aging: a preliminary study. *Ingeniería e Investigación*. 39 - 3, Universidad Nacional de Colombia, 18/12/2019. Available on-line at: <<https://revistas.unal.edu.co/index.php/ingev/article/view/74982>>. ISSN 2248-8723
DOI: <https://doi.org/10.15446/ing.investig.v39n3.74982>
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS (SJR) **Category:** Engineering (miscellaneous)
- 23** J. Manrique; JD Romero; O.A. Vivas; Jose Maria Sabater Navarro. Modelo Matemático de un Paciente con Diabetes Tipo 1 en Lazo Cerrado. *Revista Iberoamericana de Automática e Informática industrial*. 10/12/2019. ISSN 1697-7912
DOI: <https://doi.org/10.4995/riai.2019.11161>
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
- 24** David Zambrana Vinaroz; Jose Maria Vicente Samper; Carlos Juan Poveda; Vicente Esteve Sala; Jose Maria Sabater Navarro. Non-Invasive Device for Blood Pressure Wave Acquisition by Means of Mechanical Transducer. *Sensors*. 19 - 4311, MDPI, 05/10/2019. Available on-line at: <<https://www.mdpi.com/1424-8220/19/19/4311>>. ISSN 1424-8220
DOI: 10.3390/s19173779
Type of production: Scientific paper **Format:** Journal
Position of signature: 5 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5 **Corresponding author:** Yes
Impact source: WOS (JCR) **Category:** INSTRUMENTS & INSTRUMENTATION
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 15 **No. of journals in the cat.:** 61
- 25** Carlos Juan Poveda; Hector Garcia; Ernesto Avila; Enrique Bronchalo; Vicente Galiano; Oscar Moreno Perez; Domingo Orozco; Jose Maria Sabater Navarro. Feasibility study of portable microwave microstrip open-loop resonator for non-invasive blood glucose level sensing: proof of concept. *Medical & biological engineering & computing*. pp. 1 - 17. Springer Berlin Heidelberg, 31/08/2019. ISSN 0140-0118
DOI: 10.1007/s11517-019-02030-w
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes **Category:** Science Edition - MATHEMATICAL & COMPUTATIONAL BIOLOGY
Impact source: WOS (JCR) **Journal in the top 25%:** No
Impact index in year of publication: **No. of journals in the cat.:** 59
Position of publication: 23
- 26** Carlos Juan; Enrique Bronchalo; Benjamin Potelon; Cedric Quendo; Jose Maria Sabater Navarro. Glucose Concentration Measurement in Human Blood Plasma Solutions with Microwave Sensors. *Sensors*. 19 - 17, MDPI, 31/08/2019. ISSN 1424-8220
DOI: 10.3390/s19173779
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes **Category:** Science Edition - INSTRUMENTS & INSTRUMENTATION
Impact source: WOS (JCR) **Journal in the top 25%:** Yes
Impact index in year of publication: **No. of journals in the cat.:** 61
Position of publication: 15

- 27** Carlos Juan Poveda; Enrique Bronchalo; Benjamin Potelon; C. Quedo; Ernesto Avila Navarro; Jose Maria Sabater Navarro. Concentration measurement of microliter-volume water-glucose solutions using Q Factor of microwave sensors. IEEE Transactions on instruments and measurements. 68 - 7, pp. 2621 - 2634. IEEE, 12/09/2018. ISSN 0018-9456
DOI: 10.1109/TIM.2018.2866743
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - INSTRUMENTS & INSTRUMENTATION
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 61
- 28** Jaime Martinez Verdu; Vicente Gonzalez; F. Beltran; Jose Maria Sabater Navarro. Design of a thin circular sawblade for natural Stone sawing process. Advances in Mechanical Engineering. 9 - 10, pp. 1 - 22. SAGE publications, 16/10/2017.
DOI: <https://doi.org/10.1177/1687814017730533>
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 29** Karin Correa; Oscar Vivas; Jose Maria Sabater Navarro. Neurosurgery and brain shift: review of the state of the art and main contributions of robotics. Tecnológicas. 2 - 40, pp. 125 - 138. 04/09/2017. ISSN 0123-7799
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 30** Alvaro Garcia Martinez; Jose Maria Vicente Samper; Jose Maria Sabater Navarro. Automatic detection of surgical haemorrhage using computer visión. Artificial Intelligence in Medicine. 78, pp. 55 - 60. 16/06/2017. ISSN 0933-3657
DOI: 10.1016/j.artmed.2017.06.002
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 21 **No. of journals in the cat.:** 132
- 31** C. G. Juan; E. Bronchalo; G. Torregrosa; E. Avila; N. García-Aracil; José M. Sabater-Navarro. Dielectric characterization of water glucose solutions using a transmission-reflection line method. Biomedical Signal Processing and Control. 31, pp. 139 - 147. Elsevier, 01/01/2017. ISSN 1746- 8094
DOI: 10.1016/j.bspc.2016.07.011
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - ENGINEERING, BIOMEDICAL
Impact index in year of publication: **Journal in the top 25%:** No
Position of publication: 25 **No. of journals in the cat.:** 78
- 32** FJ Badesa; R. Morales; NM Garcia; Jose Maria Sabater Navarro; L. Zollo; E. Papaleo; E. Gugliemelli. Dynamic Adaptive System for Robot-Assisted Motion Rehabilitation. IEEE Systems Journal. 10 - 3, pp. 984 - 991. IEEE, 01/09/2016. ISSN 1932-8184
DOI: 10.1109/JSYST.2014.2318594
Type of production: Scientific paper **Format:** Scientific and technical document or report

Impact source: WOS (JCR)

Category: Science Edition - OPERATIONS RESEARCH & MANAGEMENT SCIENCE

Impact index in year of publication:

Journal in the top 25%: Yes

Position of publication: 4

No. of journals in the cat.: 83

- 33** L.D. Lledó; J. Diez; A. Bertomeu-Motos; S. Ezquerro; F.J. Badesa; José M. Sabater-Navarro; N. García-Aracil. A comparative analysis of 2D and 3D tasks for virtual reality therapies based on robotic-assisted neurorehabilitation for post-stroke patients. *Frontiers in Aging Neuroscience*. 8 - 205, 01/08/2016. ISSN 1663-4365

DOI: 10.3389/fnagi.2016.00205

Type of production: Scientific paper

Format: Journal

Corresponding author: No

Impact source: WOS (JCR)

Category: Science Edition - NEUROSCIENCES

Impact index in year of publication:

Journal in the top 25%: Yes

Position of publication: 7

No. of journals in the cat.: 49

- 34** Lledo, LD; Badesa, FJ; Almonacid, M; Cano-Izquierdo, JM; Sabater-Navarro, JM; Fernandez, E; Garcia-Aracil, N. Supervised and Dynamic Neuro-Fuzzy Systems to Classify Physiological Responses in Robot- Assisted Neurorehabilitation. *PLOS ONE*. 100, pp. 1 - 12. 22/05/2015. ISSN 1932-6203

DOI: 10.1371/journal.pone.0127777

Type of production: Scientific paper

Format: Journal

Impact source: WOS (JCR)

Category: Science Edition - MULTIDISCIPLINARY SCIENCES

Impact index in year of publication:

Journal in the top 25%: Yes

Position of publication: 11

No. of journals in the cat.: 63

- 35** Morales R.; Sabater J.M.; García N.. Auto-adaptative Robot-aided Therapy based in 3D Virtual Tasks controlled by a Supervised and Dynamic Neuro-Fuzzy System. *International Journal of Interactive Multimedia and Artificial Intelligence*. 3 - 2, pp. 63 - 68. 01/03/2015. ISSN 1989-1660

DOI: 10.9781/ijimai.2015.328

Type of production: Scientific paper

Format: Journal

- 36** Juan, C.G.; E. Bronchalo; Torregrosa, G.; Sabater-Navarro, JM. Microwave microstrip resonator for developing a non-invasive glucose sensor. *INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY*. 10, pp. 172 - 173. 2015.

Type of production: Scientific paper

Format: Journal

- 37** Sabater; J.M.; García; N.; D. Ramos; E. Camayo; A. Vivas. Hand neuro-rehabilitation system using Nitinol spring actuators. *Robotics and autonomous system*. 06/10/2014. ISSN 0921-8890

DOI: 10.1016/j.robot.2014.09.015

Type of production: Scientific paper

Format: Journal

Impact source: WOS (JCR)

Category: Science Edition - ROBOTICS

Position of publication: 10

No. of journals in the cat.: 25

- 38** Morales; R.; García; N.; Sabater; J.M.; A. Casals; L. Zollo. Auto adaptive robot-aided therapy using machine learning techniques. *Computer Methods and Programs in biomedicine*. 116 - 2, pp. 123 - 130. 01/09/2014. ISSN 0169-2607

DOI: 10.1016/j.cmpb.2013.09.011

Type of production: Scientific paper

Format: Journal

Impact source: WOS (JCR)

Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS

Impact index in year of publication:

Journal in the top 25%: Yes

**Position of publication:** 15**No. of journals in the cat.:** 102

- 39** García, N; Zollo, L; Casals, A.; Sabater-Navarro, JM. New methods of human-robot interaction in medical practice. Computer methods and programs in biomedicine. 116, pp. 49 - 51. 01/09/2014. ISSN 0169-2607
DOI: 10.1016/j.cmpb.2014.05.001
Type of production: Scientific paper **Format:** Journal
- 40** Morales; R.; García; N.; Perez; C.; Sabater; J.M.; Papaleo; Eugenia; Salerno; Antonio; Zollo; Loredana; Guglielmelli; Eugenio. Patient-Tailored Assistance: A New Concept of Assistive Robotic Device That Adapts to Individual Users. IEEE Robotics & Automation Magazine. 21, pp. 123 - 133. 01/09/2014. ISSN 1070-9932
DOI: 10.1109/MRA.2014.2304051
Type of production: Scientific paper **Format:** Journal
Impact source: WOS (JCR) **Category:** Science Edition - ROBOTICS
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 23
- 41** M. Alejandro; Romero Moraleda; G.; Sabater; J.M.; Díaz; J.R.. Infrared thermography as a tool to determine teat tissue changes caused by machine milking in murciano-granadina goats. Livestock Science. 160, pp. 178 - 195. Elsevier, 01/02/2014. ISSN 1871-1413
DOI: 10.1016/j.livsci.2013.11.029
Type of production: Scientific paper
Impact source: WOS (JCR) **Category:** Science Edition - AGRICULTURE, DAIRY & ANIMAL SCIENCE
Position of publication: 17 **No. of journals in the cat.:** 58
- 42** Llinares; Ana; Morales; R.; García; N.; Sabater; J.M.; Perez; C.. Pneumatic planar rehabilitation robot for post-stroke patients. BIOMEDICAL ENGINEERING-APPLICATIONS BASIS COMMUNICATIONS. 26, pp. 1 - 8. 2014.
Type of production: Scientific paper **Format:** Journal
- 43** Morales; R.; García; N.; Sabater; J.M.; Zollo; Loredana. Soft Robotic Manipulation of Onions and Artichokes in the Food Industry. ADVANCES IN MECHANICAL ENGINEERING. pp. 1 - 9. 2014.
Type of production: Scientific paper **Format:** Journal
- 44** Perez; C.; García; N.; Sabater; J.M.; Fernández-Jover; E.. System for measuring rodents' visual function: design and implementation. BIOMEDICAL ENGINEERING-APPLICATIONS BASIS COMMUNICATIONS. 26, pp. 1 - 10. 2014.
Type of production: Scientific paper **Format:** Journal
- 45** J. Rodriguez; Sabater-Navarro, JM; García; Francisco J. Amoros. Ultrasound based application for intraglandular mapping of breast cancer. Computer Methods and Programs in Biomedicine. 112, pp. 293 - 301. 12/09/2013. ISSN 0169-2607
DOI: 10.1016/j.cmpb.2013.01.015
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Impact index in year of publication: **Journal in the top 25%:** Yes
Position of publication: 21 **No. of journals in the cat.:** 100

- 46** Ianez, E; Ubeda, A; Azorín, J.M.; Sabater-Navarro, J.M.; Fernández-Jover, E. Classification method for BCIs based on the correlation of EEG maps. *Neurocomputing*. 114, pp. 98 - 106. Elsevier, 19/08/2013. ISSN 0925-2312
DOI: doi.org/10.1016/j.neucom.2012.08.040
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication:
Position of publication: 28
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE
Journal in the top 25%: Yes
No. of journals in the cat.: 121
- 47** Sabater-Navarro, JM; García, N; Dino Accoto; Leo Joskowicz. Computer assisted tools for medical robotics. *Computer Methods and Programs in Biomedicine*. 112, pp. 237 - 238. 2013. ISSN 0169-2607
DOI: 10.1016/j.cmpb.2014.05.001
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication:
Position of publication: 21
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, THEORY & METHODS
Journal in the top 25%: Yes
No. of journals in the cat.: 100
- 48** Jaime Martínez Verdú; Sabater; J.M.; Vicente José González Penella; García; N.; Ángel Miguel López Buendía. Rapid Design and Synthesis of Robots Using Standard Computer Tools. *INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL*. 40, pp. 363 - 381. 2013.
Type of production: Scientific paper
Format: Journal
- 49** Morales; R.; García; N.; Sabater; J.M.; Fernández-Jover; E.. Robotic assessment of the influence of age on upper-limb sensorimotor function. *CLINICAL INTERVENTIONS IN AGING*. 2013, pp. 879 - 888. 2013.
Type of production: Scientific paper
Format: Journal
- 50** Morales, R.; García N; Sabater- Navarro, JM; Perez, C.; Fernández-Jover; E.. Multimodal interfaces to improve therapeutic outcomes in robot-assisted rehabilitation. *IEEE Transactions on Systems, Man and Cybernetics, part C: Applications and reviews*. 7 - 6, pp. 1152 - 1158. IEEE, 01/11/2012. ISSN 1094-6977
DOI: 10.1109/TSMCC.2012.2201938
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication:
Position of publication: 2
Format: Journal
Category: Science Edition - COMPUTER SCIENCE, CYBERNETICS
Journal in the top 25%: Yes
No. of journals in the cat.: 21
- 51** Morales; R.; García; N.; Perez; C.; Sabater; J.M.. Distributed Smart Device for Monitoring, Control and Management of Electric Loads in Domotic Environments. *SENSORS*. 1 - 5, pp. 5212 - 5224. 2012.
Type of production: Scientific paper
Format: Journal
- 52** Romero Moraleda; G.; Díaz; J.R.; Sabater; J.M.; Perez; C.. Evaluation of commercial probes for on-line electrical conductivity measurements during goat gland milking process. *SENSORS*. 12 - 4, pp. 4493 - 4513. 2012.
Type of production: Scientific paper
- 53** Morales; R.; Sabater; J.M.; García; N.; Azorín; J.M.; Perez; C.. Experiencias para el desarrollo de un sistema robótico para rehabilitación de miembro superior para pacientes con daño cerebral sobrevenido. *REVISTA UNIVERSITARIA EN TELECOMUNICACIONES, INFORMATICA Y CONTROL*. 1, pp. 26 - 34. 2012.
Type of production: Scientific paper
Format: Journal



- 54** J.R. Serracin; L. Puglisi; R. Saltaren; G. Ejarque; Sabater; J.M.; R. Aracil. Kinematic analysis of a novel 2-d.o.f. orientation device. *ROBOTICS AND AUTONOMOUS SYSTEMS*. 60 - 6, pp. 852 - 861. 2012.
Type of production: Scientific paper **Format:** Journal
- 55** Perez; C.; Ernesto Carpintero; García; N.; Sabater; J.M.; Azorín; J.M.; Candela Gomis; A.; Fernández-Jover; E.. Steps in the development of a robotic scrub nurse. *ROBOTICS AND AUTONOMOUS SYSTEMS*. 60, pp. 901 - 911. 2012.
Type of production: Scientific paper **Format:** Journal
- 56** J. Rodriguez; Sabater-Navarro. JM; J.L. Ruiz; A. Soto; García, N; N.. iProstate. A mathematical predictive model-based, 3D-rendering tool to visualize the location and extent of prostate cancer. *International Journal of Medical Robotics and Computer Assisted Surgery*. 7, pp. 71 - 84. John Wiley & Sons, 01/03/2011. ISSN 1478-5951
DOI: 10.1002/rcs.372
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - SURGERY
Position of publication: 79 **No. of journals in the cat.:** 199
- 57** M. L. Pinto; Sabater; J.M.; J. Sofrony. Analysing collision detection in a virtual environment for haptic applications in surgery. *INGENIERIA E INVESTIGACION*. 30, pp. 204 - 212. 2011.
Type of production: Scientific paper **Format:** Journal
- 58** Morales; R.; García; N.; Sabater; J.M.; Perez; C.. Pneumatic robotic systems for upper limb rehabilitation. *Medical & Biological Engineering and Computing*. 49, pp. 1145 - 1156. 2011. ISSN 0140-0118
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS
Position of publication: 25 **No. of journals in the cat.:** 99
- 59** E. Yime; R. Saltaren; C. Garcia; Sabater; J.M.. Robot based on task-space dynamical model. *IET CONTROL THEORY AND APPLICATIONS*. 5 issue 18 - 18, pp. 2111 - 2119. 2011.
Type of production: Scientific paper **Format:** Journal
- 60** García; N.; Perez; C.; Sabater; J.M.; Morales; R.. Robust and Cooperative Image-Based Visual Servoing System Using a Redundant Architecture. *SENSORS*. 11, pp. 11885 - 11900. 2011.
Type of production: Scientific paper **Format:** Journal
- 61** M.L. Pinto; Sabater; J.M.; J. Sofrony; García; N.; Azorín; J.M.; Perez; C.. Sistema de entrenamiento para operaciones de reemplazo de rodilla. *MAPFRE MEDICINA*. 22 - 3, pp. 197 - 205. 2011.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes
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DOI: 10.1002/rcs.331
Type of production: Scientific paper
Corresponding author: Yes
Impact source: WOS (JCR) **Category:** Science Edition - SURGERY
Position of publication: 75 **No. of journals in the cat.:** 166
- 65** Sabater; J.M.; García; N.; Perez; C.; Azorín; J.M.. Algorithm for haptic rendering of reconstructed 3D solid organs. INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY 3 issue 5, 387-393 (2008) [X] REVISTA [] LIBRO. 3 issue 5, pp. 387 - 393. 2008.
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- 67** Saltarén; R.J.; Sabater; J.M.; Yime; E.; Azorín; J.M.; Aracil; R.; García; N.. Performance evaluation of spherical parallel platforms for humanoid robots. ROBOTICA. 25 - 3, pp. 257 - 267. Cambridge University Press, 2007.
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Corresponding author: Yes
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Type of production: Popular science article **Format:** Journal
Corresponding author: Yes
- 77** Azorín; J.M.; IAÑEZ MARTINEZ; EDUARDO; Fernández-Jover; E.; Sabater; J.M.. Interacción ocular con Robots: Una ayuda para discapacitados. *Ocular interaction with Robots: An aid to the disabled*. *DYNA*. 85 - 9, pp. 768 - 776. 2010.
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Type of production: Book chapter **Format:** Book
Position of signature: 1
Corresponding author: Yes
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- 100** Perez; C.; García; N.; Azorín; J.M.; Sabater; J.M.; Navarro; L.; Saltaren; R.. Image-based and intrinsic-free visual navigation of a mobile robot defined as a global visual servoing task. Informatics in control, automation and robotics. pp. 189 - 195. 2005.
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- 101** Sabater; J.M.; Azorín; J.M.; García; N.. Open architecture haptics simulator for robot-assisted surgery. Computer Assisted Orthopaedic Surgery. pp. 393 - 400. 2005.
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Works submitted to national or international conferences

- 1** **Title of the work:** Influence of Dry Layers in Solute Concentration Measurement with Planar Microwave Sensors
Name of the conference: IEEE International Instrumentation and Measurement Technology Conference (I2MTC)
City of event: Glasgow, United Kingdom
Date of event: 20/05/2024
End date: 23/05/2024
Organising entity: IEEE
Type of contribution: Scientific book or monograph
Carlos G. Juan; Enrique Bronchalo; José M. Sabater-Navarro. "IEEE International Instrumentation and Measurement Technology Conference (I2MTC)". pp. 1 - 6. 2024.
- 2** **Title of the work:** Caracterización dieléctrica de materiales biológicos en banda C de microondas
Name of the conference: XXXVIII Simposio Nacional de la URSI
City of event: Malaga, Andalusia, Spain
Date of event: 13/09/2023
End date: 15/09/2023
Organising entity: URSI
R. Alarcon; A. Martinez; J. Arias; H. Garcia; E. Avila; JM Sabater-Navarro.
- 3** **Title of the work:** Development of Multi-Layer Tissue-Mimicking Breast Phantoms for Microwaves and Millimeter-Waves Imaging
Name of the conference: IEEE MTT-S INTERNATIONAL MICROWAVE BIOMEDICAL CONFERENCE
Date of event: 11/09/2023
End date: 13/09/2023
Organising entity: IEEE Microwave Theory and Techniques Society
Di Meo,S.; Cannata, A.; Blanco-Angulo, C.; Matrone, G.; Sabater-Navarro, JM; Gutierrez Mazon, R; Garcia Martinez H; Avila Navarro, E; Pasian.M.
- 4** **Title of the work:** Detección de apneas en recién nacidos utilizando una IMU abdominal
Name of the conference: XLIV Jornadas de Automática
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 06/09/2023
End date: 08/09/2023
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
Ricci. M; JM Vicente; JD. Romero; V. Esteve; N. Garcia-Aracil; Corella, G.; Jose Maria Sabater Navarro.
ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0148



- 5** **Title of the work:** Estudio de selectividad frente a disoluciones multicomponente de sensores de glucosa mediante tecnología planar de microondas
Name of the conference: XLIV Jornadas de Automática
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 06/09/2023
End date: 08/09/2023
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
C. Juan; E. Bronchalo; B. Potelon; C. Quando; V. Muñoz; JM Fernandez; J. Manrique; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0148
- 6** **Title of the work:** Plataforma experimental para la obtención de las fuerzas de interacción en cirugía mínimamente invasiva
Name of the conference: XLIV Jornadas de Automática
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 06/09/2023
End date: 08/09/2023
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
I. Rumbo; J. Cases; J. Manrique; JD. Romero; C. Martorell; A. Vivas; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0148
- 7** **Title of the work:** Reducción de puntos de una trayectoria 3D basada en el algoritmo Douglas-Peucker. Aplicación a robótica quirúrgica
Name of the conference: XLIV Jornadas de Automática
Type of event: Conference
Type of participation: Participatory - poster
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 06/09/2023
End date: 08/09/2023
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
J. Manrique; J. Cases; JD. Romero; MA. de la Casa; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0148
- 8** **Title of the work:** Algorithm for HR reconstruction from PPG in outpatient scenarios
Name of the conference: 45th Annual International Conference of the IEEE Engineering in Medicine & Biology Society
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 24/07/2023
End date: 27/07/2023
Organising entity: IEEE EMBS
Vicente-Samper, JM; Manrique-Cordoba, J.; Sabater-Navarro, JM.



- 9** **Title of the work:** Augmented Reality Holographic Visualization System for Surgery Auxiliary Visualization: Proof of Concept for Surgical Training
Name of the conference: 45th Annual International Conference of the IEEE Engineering in Medicine & Biology Society
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 24/07/2023
End date: 27/07/2023
Organising entity: IEEE EMBS
Bermejo, N.; Romero Ante, JD; Manrique-Cordoba, J.; Sabater-Navarro, JM.
- 10** **Title of the work:** Enhancing task performance in endoscopic surgery on simulated surgical emergency situations: A study of the impact of computer vision support on novice surgeons gaze strategies
Name of the conference: 45th Annual International Conference of the IEEE Engineering in Medicine & Biology Society
Type of event: Conference
Type of participation: Participatory - oral communication
Date of event: 24/07/2023
End date: 27/07/2023
Organising entity: IEEE EMBS
Garcia, A.; Manrique-Cordoba, J.; de la Casa, MA; Sabater-Navarro, JM.
- 11** **Title of the work:** Calculador inteligente de bolo de insulina en skill alexa amazon para pacientes con diabetes mellitus y deficiencia visual
Name of the conference: XLIII Jornadas de Automática
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 07/09/2022
End date: 09/09/2022
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
JC Solarte-Orozco; J. Manrique; A. Vivas; JD. Romero; JM Vicente; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0148
- 12** **Title of the work:** Monitorizacion de fuerzas de mecanizado con un robot UR3e
Name of the conference: XLIII Jornadas de Automática
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 07/09/2022
End date: 09/09/2022
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
G. Elvira Soler; J. Manrique; JM Vicente; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0687
- 13** **Title of the work:** Sensor de glucosa biocompatible basado en Qu con resonador de microondas en microstrip invertida
Name of the conference: XLIII Jornadas de Automática
Corresponding author: Yes
City of event: Logroño, La Rioja, Spain
Date of event: 07/09/2022
End date: 09/09/2022



Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
C. G. Juan; E. Avila; E. Bronchalo; Jose Maria Sabater Navarro. ISBN 978-84-9749-841-8
DOI: 10.17979/spudc.9788497498418.0094

- 14** **Title of the work:** Análisis de una antena monopolo impresa de banda ancha para aplicaciones de imagen médica
Name of the conference: XXXVII Simposio Nacional de la URSI
City of event: Malaga, Andalusia, Spain
Date of event: 05/09/2022
End date: 07/10/2022
Organising entity: URSI
A. Martinez; C. Blanco-Angulo; H. Garcia; JM Sabater-Navarro; E. Avila.
- 15** **Title of the work:** Diseño, fabricación y caracterización de tejidos realistas de mama y su aplicación en sistemas de microondas
Name of the conference: XXXVII Simposio Nacional de la URSI
City of event: Malaga, Andalusia, Spain
Date of event: 05/09/2022
End date: 07/10/2022
Organising entity: URSI
C. Blanco-Angulo; A. Martinez; A. Bernabeu; C. Parejo; H. Garcia; E. Avila; JM Sabater-Navarro.
- 16** **Title of the work:** Feasibility Study of a ML-Based ASD Monitoring System
Name of the conference: 9th International work conference on the interplay between natural and artificial computation IWINAC
Corresponding author: Yes
City of event: Santa Cruz de Tenerife, Canary Islands, Spain
Date of event: 31/05/2022
End date: 03/06/2022
Organising entity: Iwinac
JM Vicente Samper; E. Avila; JM Sabater-Navarro.
DOI: 10.1007/978-3-031-06242-1_27
- 17** **Title of the work:** Modelado y validación de la influencia del ciclo menstrual en el sistema glucosa-insulina
Name of the conference: Jornadas de robótica, educación y bioingeniería 2022
Corresponding author: Yes
City of event: Malaga, Andalusia, Spain
Date of event: 18/05/2022
End date: 20/05/2022
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
J. Manrique; J.D. Romero; JM Vicente-Samper; JM Sabater-Navarro. Universidad de Málaga, ISBN 978-84-09-41095-8
- 18** **Title of the work:** Nueva estimación de IOB para sistemas de páncreas artificial
Name of the conference: Jornadas de robótica, educación y bioingeniería 2022
Corresponding author: Yes
City of event: Malaga, Andalusia, Spain
Date of event: 18/05/2022
End date: 20/05/2022
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC



J.D. Romero; J. Manrique; JM Vicente-Samper; C.G. Juan; JM Sabater-Navarro. Universidad de Málaga, ISBN 978-84-09-41095-8

19 Title of the work: Menstrual cycle influence in a glucose-insulin model: dynamics and OGTT validation

Name of the conference: ATTD Advanced Technologies & Treatments for Diabetes Conference

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 27/04/2022

End date: 30/04/2022

Organising entity: ATTD

J. Manrique Cordoba; J. Romero Ante; JM Sabater-Navarro; JM Vicente. Available on-line at: <<https://www.liebertpub.com/doi/10.1089/dia.2022.2527.abstracts>>.

DOI: 10.1089/dia.2022.2527.abstracts

20 Title of the work: Voice-based AI-powered bolus calculator

Name of the conference: ATTD Advanced Technologies & Treatments for Diabetes Conference

Corresponding author: Yes

City of event: Barcelona, Catalonia, Spain

Date of event: 27/04/2022

End date: 30/04/2022

Organising entity: ATTD

J. Manrique Cordoba; J. Romero Ante; JM Sabater-Navarro; JM Vicente. Available on-line at: <<https://www.liebertpub.com/doi/10.1089/dia.2022.2527.abstracts>>.

DOI: 10.1089/dia.2022.2527.abstracts

21 Title of the work: Sistema ambulatorio de monitorización de crisis epilépticas

Name of the conference: XLII Jornadas de Automática

Corresponding author: Yes

City of event: Castellón, Spain

Date of event: 01/09/2021

End date: 03/09/2021

Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC

David Zambrana Vinaroz; Jose Maria Sabater Navarro. ISBN 978-84-9749-804-3

DOI: <https://doi.org/10.17979/spudc.9788497498043>

22 Title of the work: UR5 Robot Manipulation using Matlab/Simulink and ROS

Name of the conference: IEEE Int. conference on mechatronics and automation

Corresponding author: Yes

City of event: Takamatsu, Japan

Date of event: 08/08/2021

End date: 11/08/2021

Organising entity: IEEE

Type of entity: Associations and Groups

Andres Vivas Alban; Jose Maria Sabater Navarro.

23 Title of the work: Single and Coupled Microwave Resonators as Glucose Concentration Sensors

Name of the conference: 50TH European microwave conference

Corresponding author: Yes

City of event: utrecht, Holland

Date of event: 10/01/2021

End date: 15/01/2021

Organising entity: European Microwave Association



Carlos Juan Poveda; B. Potelon; C. Quendo; E. Bronchalo; Jose Maria Sabater Navarro.

- 24** **Title of the work:** Use of coplanar quarter-wave resonators for glucose sensing in aqueous solutions
Name of the conference: 2020 International microwave biomedical conference
Corresponding author: Yes
City of event: Toulouse, France
Date of event: 14/12/2020
End date: 17/12/2020
Organising entity: IEEE
C.G. Juan; E. Bronchalo; B. Potelon; J. Alvarez-Pastor; Jose Maria Sabater Navarro.
- 25** **Title of the work:** Measurement of sensory information for day-to-day autism management
Name of the conference: 8th IEEE International Conference on Biomedical Robotics and Biomechanics (BioRob)
Corresponding author: Yes
City of event: New York, United States of America
Date of event: 28/11/2020
End date: 01/12/2020
Organising entity: IEEE **Type of entity:** Associations and Groups
Jose Maria Vicente Samper; Ernesto Avila Navarro; Jose Maria Sabater Navarro. "Proceedings 8th IEEE International Conference on Biomedical Robotics and Biomechanics". ISBN 978-1-7281-5907-2
- 26** **Title of the work:** Highly-Sensitive Glucose Concentration Sensor Exploiting Inter-resonators Couplings
Name of the conference: 49th European Microwave Conference
Corresponding author: Yes
City of event: Paris, France
Date of event: 01/10/2019
End date: 03/10/2019
Organising entity: European Microwave Association
C. Juan-Poveda; B.Potelon; C. Quendo; E. Bronchalo; Jose Maria Sabater Navarro. ISBN 978-2-87487-055-2
- 27** **Title of the work:** Evaluation of an Environmental Autism Spectrum Disorder Monitoring Device
Name of the conference: XV Mediterranean Conference on Medical and Biological Engineering and Computing
Corresponding author: No
City of event: Coimbra, Portugal
Date of event: 26/09/2019
End date: 28/09/2019
Organising entity: IFMBE
E. Avila; JM Vicente; C. Blanco; Jose Maria Sabater Navarro. pp. 1195 - 1204. Available on-line at: <https://link.springer.com/chapter/10.1007/978-3-030-31635-8_145>. ISBN 978-3-030-31634-1
- 28** **Title of the work:** Ejemplo de integración de Alexa con un robot UR
Name of the conference: XL Jornadas de Automática
Corresponding author: Yes
City of event: El Ferrol, Spain
Date of event: 02/09/2019
End date: 04/09/2019
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC



JM Vicente-Samper; I. Campos; B. Sanz; A. Rodriguez; J. Oñate; Jose Maria Sabater Navarro. ISBN 978-84-9749-716-9

- 29** **Title of the work:** Obtención no invasiva de la onda de presión arterial en la carótida
Name of the conference: XL Jornadas de Automática
Corresponding author: Yes
City of event: El Ferrol, Spain
Date of event: 02/09/2019
End date: 04/09/2019
Organising entity: COMITE ESPAÑOL DE AUTOMATICA DE LA IFAC
D. Zambrana; V. Esteve; JM Vicente-Samper; Jose Maria Sabater Navarro. ISBN 978-84-9749-716-9
- 30** **Title of the work:** Low-cost EDA device for screening diabetic neuropathy
Name of the conference: IEEE 32nd International Symposium on Computer-Based Medical Systems (CBMS)
Corresponding author: Yes
City of event: Cordoba, Spain
Date of event: 05/06/2019
End date: 07/06/2019
Organising entity: IEEE
LD. Bolaños; JM Vicente-Samper; D. Zambrana; O Vivas; V. Esteve; Jose Maria Sabater Navarro. Available on-line at: <<https://ieeexplore.ieee.org/abstract/document/8787517>>.
- 31** **Title of the work:** New tools in computer aided surgery
Name of the conference: 38th Congress of the European society of surgical oncology
Corresponding author: Yes
City of event: Budapest, Hungary
Date of event: 10/10/2018
End date: 12/10/2018
Organising entity: European society of surgical oncology
Jose Maria Sabater Navarro. "Proceedings of the 38th Congress of the European society of surgical oncology".
- 32** **Title of the work:** Virtual reality: new tool for new surgical oncologist 3.0
Name of the conference: 38th Congress of the European society of surgical oncology
Corresponding author: Yes
City of event: Budapest, Hungary
Date of event: 10/10/2018
End date: 12/10/2018
Organising entity: European society of surgical oncology
Jose Maria Sabater Navarro. "Proceedings of the 38th Congress of the European society of surgical oncology".
- 33** **Title of the work:** Simulador de Paciente T1D en Tiempo Real
Name of the conference: XXXIV Jornadas de automática
City of event: Badajoz, Spain
Date of event: 05/09/2018
End date: 07/09/2018
Organising entity: CEA
J. Manrique; J. D. Romero; JM Sabater-Navarro; O.A. Vivas; JM Vicente. pp. 64 - 72. ISBN 978-84-09-04460-3



- 34** **Title of the work:** Uso de Realidad Aumentada como Apoyo a un Sistema de Navegación en Neurocirugía
Name of the conference: XXXIV Jornadas de automática
City of event: Badajoz, Spain
Date of event: 05/09/2018
End date: 07/09/2018
Organising entity: CEA
P.L. Solarte; JM Sabater-Navarro; E. Aguilar; O.A. Vivas; JM Vicente. ISBN 978-84-09-04460-3
- 35** **Title of the work:** Descripción del modelo experimental para la medida de distancia en tejidos biológicos a partir de señales RF
Name of the conference: Jornadas Nacionales de Robótica 2018
Corresponding author: Yes
City of event: Valladolid, Spain
Date of event: 14/06/2018
End date: 15/06/2018
Organising entity: CEA-IFAC
Natividad Bermejo; Ernesto Avila; Jose Maria Sabater Navarro. ISBN 978-84-09-02877-1
- 36** **Title of the work:** Diseño de un sensor óptico de fuerza para exoesqueleto de mano
Name of the conference: XXXVIII Jornadas de automática
Corresponding author: Yes
City of event: Gijón, Spain
Date of event: 06/09/2017
End date: 08/09/2017
Organising entity: CEA
J. Diez; JM Catalan; F. Badesa; Jose Maria Sabater Navarro; N. Garcia. pp. 270 - 275. ISBN 978-84-16664-74-0
- 37** **Title of the work:** Marcadores cuadrados y deformación de objetos en navegación quirúrgica con realidad aumentada
Name of the conference: XXXVIII Jornadas de automática
Corresponding author: Yes
City of event: Gijón, Spain
Date of event: 06/09/2017
End date: 08/09/2017
Organising entity: CEA
E. Aguilar; O. Vivas; Jose Maria Sabater Navarro. pp. 238 - 243. ISBN 978-84-16664-74-0
- 38** **Title of the work:** Diseño de un dispositivo háptico multigestual para simulación quirúrgica
Name of the conference: Jornadas Nacionales de Robótica 2017
Corresponding author: Yes
City of event: Valencia, Spain
Date of event: 08/06/2017
End date: 09/06/2017
C. G. Juan; JM Vicente; N. Bermejo; A. Garcia; Jose Maria Sabater Navarro. "Actas de las Jornadas Nacionales de Robótica 2017". ISBN 978-84-697-3742-2
- 39** **Title of the work:** Computer visión haemorrhage detection
Name of the conference: XXII SEIQ Sociedad Española de Investigaciones Quirúrgicas
Corresponding author: Yes



City of event: Cáceres, Spain

Date of event: 20/10/2016

End date: 21/10/2016

Organising entity: Centro de Cirugía de Mínima Invasión Jesús Usón

Type of entity: Technological Centre

Jose Maria Sabater Navarro; A. Garcia; J.M. Vicente; C.G. Juan; M. Gil.

40 Title of the work: Robotic platform for surgery assistance in single incisión laparoscopy techniques

Name of the conference: XXII SEIQ Sociedad Española de Investigaciones Quirúrgicas

Corresponding author: Yes

City of event: Cáceres, Spain

Date of event: 20/10/2016

End date: 21/10/2016

Organising entity: Centro de Cirugía de Mínima Invasión Jesús Usón

Type of entity: Technological Centre

Jose Maria Sabater Navarro; A. Garcia; A. Compañ; V. Muñoz; I. Rivas; I. Garcia; J.C. Fraile; J. Perez-Turiel; L. Santos.

41 Title of the work: Algoritmo para la detección automática de sangrados quirúrgicos utilizando visión por computador

Name of the conference: XXXVII Jornadas de automática

City of event: Madrid, Spain

Date of event: 07/09/2016

End date: 09/09/2016

Organising entity: CEA

City organizing entity: Madrid, Spain

A. Garcia; JM Vicente; C.G. Juan; Jose Maria Sabater Navarro. "Actas de las XXXVII Jornadas de automática".

42 Title of the work: Arquitectura de control multimodal para robótica asistencial

Name of the conference: XXXVII Jornadas de automática

City of event: Madrid, Spain

Date of event: 07/09/2016

End date: 09/09/2016

Organising entity: CEA

City organizing entity: Madrid, Spain

JM Catalan; J. Diez; A. bertomeu; F. Badesa; R. Puerto; Jose Maria Sabater Navarro. "Actas de las XXXVII Jornadas de automática".

43 Title of the work: Diseño de un motor de tareas para terapias de neurorehabilitación asistidas por robots

Name of the conference: XXXVII Jornadas de automática

City of event: Madrid, Spain

Date of event: 07/09/2016

End date: 09/09/2016

Organising entity: CEA

City organizing entity: Madrid, Spain

L.D. Lledo; S. Ezquerro; A. Bertomeu; J.M. Catalan; R. Neco; Jose Maria Sabater Navarro. "Actas de las XXXVII Jornadas de automática".

44 Title of the work: Estudio comparativo de efectos tDCS y rehabilitación combinado con rehabilitación con dispositivo robótico

Name of the conference: XXXVII Jornadas de automática



City of event: Madrid, Spain

Date of event: 07/09/2016

End date: 09/09/2016

Organising entity: CEA

City organizing entity: Madrid, Spain

S. Ezquerro; I. Delegido; A. Bertomeu; L. D. Lledo; R. Puerto; Jose Maria Sabater Navarro; N. Garica. "Actas de las XXXVII Jornadas de automática".

- 45** **Title of the work:** Influencia de la visualización en terapias de rehabilitación virtual asistida por robots
Name of the conference: XXXVII Jornadas de automática
City of event: Madrid, Spain
Date of event: 07/09/2016
End date: 09/09/2016
Organising entity: CEA
City organizing entity: Madrid, Spain
L.D. Lledo; S. Ezquerro; F. Badesa; R. Neco; Jose Maria Sabater Navarro; N. Garica. "Actas de las XXXVII Jornadas de automática".
- 46** **Title of the work:** Toward an enhanced modular operating room
Name of the conference: 6th IEEE International Conference on Biomedical Robotics and Biomechanics (BioRob)
Corresponding author: Yes
City of event: Singapore,
Date of event: 26/06/2016
End date: 29/06/2016
Organising entity: IEEE
Alvaro Garcia Martinez; Roberto Mora; Carlos Gabriel Juan Poveda; Antonio Compañ; Nicolas Garcia Aracil.
- 47** **Title of the work:** Design of a wearable bio-patch for monitoring patient's temperature
Name of the conference: 38th IEEE EMBC
Corresponding author: Yes
City of event: Orlando, United States of America
Date of event: 16/06/2016
End date: 20/06/2016
Organising entity: IEEE
Type of entity: Associations and Groups
JM Vicente; E. Avila; C.G. Juan; N. Garcia; Jose Maria Sabater Navarro. "Proc. Of the 38th IEEE EMBC. Pags 4792-4795. 978-1-4577-0220-4/16".
- 48** **Title of the work:** Diseño de un bio-patch NFC para la monitorización de la temperatura corporal
Name of the conference: XXII seminario anual de automática, electrónica industrial e instrumentación
City of event: Elche,
Date of event: 06/06/2016
End date: 08/06/2016
Organising entity: SAAEI
JM Vicente; E. Avila; C.G. Juan; Jose Maria Sabater Navarro.
- 49** **Title of the work:** HELPER: Collaborative Project to Develop a Rehabilitation Robotic device
Name of the conference: SECOND IBERIAN ROBOTICS CONFERENCE (ROBOT 2015)
City of event: Lisboa,
Date of event: 19/11/2015



DIEZ POMARES; JORGE ANTONIO; BADESA CLEMENTE; FRANCISCO JAVIER; EZQUERRO GARCIA; SANTIAGO; SABATER NAVARRO; JOSE MARIA; JUAN POVEDA; CARLOS GABRIEL; GARCIA ARACIL; NICOLAS MANUEL.

- 50** **Title of the work:** Diseño de sistema de rehabilitación robotizada centrado en el usuario usando la clasificación internacional de funcionamiento y discapacidad
Name of the conference: VIII CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD /IBERDISCAP 2015
City of event: Punta Arenas, Chile
Date of event: 09/11/2015
SABATER NAVARRO; JOSE MARIA.
- 51** **Title of the work:** Propuesta de Diseño centrado en el usuario usando la clasificación internacional de funcionamiento y discapacidad de una interfaz de retroalimentación para un sistema de rehabilitación robotizada
Name of the conference: ENCUENTRO NACIONAL DE CIENCIAS DE LA COMPUTACION
City of event: Ensenada, Mexico
Date of event: 05/10/2015
SABATER NAVARRO; JOSE MARIA.
- 52** **Title of the work:** Design and validation of a servomechanism for a pneumatic upper limb rehabilitation robot
Name of the conference: VI CONGRESO INTERNACIONAL DE DISEÑO, REDES DE INVESTIGACION Y TECNOLOGIA PARA TODOS DRT4ALL, 2015
City of event: Madrid,
Date of event: 23/09/2015
DIEZ POMARES; JORGE ANTONIO; BADESA CLEMENTE; FRANCISCO JAVIER; BERTOMEU MOTOS; ARTURO; MORALES VIDAL; RICARDO; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL.
- 53** **Title of the work:** Métodos de control basados en campos potenciales y de fuerza para robótica de rehabilitación
Name of the conference: XXXVI JORNADAS DE AUTOMATICA - 2015
City of event: Bilbao,
Date of event: 02/09/2015
BADESA CLEMENTE; FRANCISCO JAVIER; DIEZ POMARES; JORGE ANTONIO; EZQUERRO GARCIA; SANTIAGO; BERTOMEU MOTOS; ARTURO; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "Actas de las XXXVI Jornadas de Automática".
- 54** **Title of the work:** Electromyography Analysis of the Effects of Chair Massage on the Back Musculature
Name of the conference: 37TH INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY
City of event: Milan,
Date of event: 25/08/2015
EZQUERRO GARCIA; SANTIAGO; MORALES VIDAL; RICARDO; DIEZ POMARES; JORGE ANTONIO; BADESA CLEMENTE; FRANCISCO JAVIER; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL.
- 55** **Title of the work:** Robotic Upper Limb Neurorehabilitation: Randomized Study as a Joint Tool to Inpatient Rehabilitation in Subacute Stroke
Name of the conference: 37TH INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY
City of event: Milan,



Date of event: 25/08/2015

EZQUERRO GARCIA; SANTIAGO; LLEDO PEREZ; LUIS DANIEL; DIEZ POMARES; JORGE ANTONIO; BERTOMEU MOTOS; ARTURO; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; GARCIA MANZANARES; MARIA DOLORES.

- 56** **Title of the work:** Automatic detection of surgical gauzes using computer vision
Name of the conference: 23RD MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED)
City of event: Torremolinos, Spain,
Date of event: 16/06/2015
GARCIA MARTINEZ; ALVARO; JUAN POVEDA; CARLOS GABRIEL; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Proceedings of the 23rd Mediterranean Conference on Control and Automation (MED)".
- 57** **Title of the work:** Diseño de dispositivo auxiliar de rehabilitación de mano
Name of the conference: XXXV JORNADAS DE AUTOMATICA
City of event: Valencia,
Date of event: 03/09/2014
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Actas de las XXXV Jornadas de Automática".
- 58** **Title of the work:** Diseño de un dispositivo neumático para rehabilitación de mano mediante funda termoretractil
Name of the conference: XXXV JORNADAS DE AUTOMATICA
City of event: Valencia,
Date of event: 03/09/2014
GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Actas de las XXXV Jornadas de Automática".
- 59** **Title of the work:** Integración de una plataforma robótica de asistencia al cirujano en operaciones laparoscópicas de puerto único
Name of the conference: XXXV JORNADAS DE AUTOMATICA
City of event: Valencia,
Date of event: 03/09/2014
SABATER NAVARRO; JOSE MARIA. "Actas de las XXXV Jornadas de Automática".
- 60** **Title of the work:** Reconstrucción cinemática del brazo humano mediante matrices de transformación
Name of the conference: XXXV JORNADAS DE AUTOMATICA
City of event: Valencia,
Date of event: 03/09/2014
MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Actas de las XXXV Jornadas de Automática".
- 61** **Title of the work:** Sistema robotico de tipo exoesqueleto para rehabilitacion de la mano
Name of the conference: XXXV JORNADAS DE AUTOMATICA
City of event: Valencia,
Date of event: 03/09/2014
DIEZ POMARES; JORGE ANTONIO; BADESA CLEMENTE; FRANCISCO JAVIER; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "Actas de las XXXV Jornadas de Automática".

- 62** **Title of the work:** Implementation of 3D visualization applications based on physical haptics principles to perform rehabilitation tasks
Name of the conference: 5TH IEEE RAS & EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS (BIROB 2014)
City of event: SAO PAULO, BRASIL,
Date of event: 12/08/2014
EZQUERRO GARCIA; SANTIAGO; BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Proc. Of 5th IEEE/RAS-EMBS Inter. Conf. On Biomedical Robotics and Biomechatronics BIOROB 2014".
- 63** **Title of the work:** Integration of heterogeneous robotic systems in a surgical scenario
Name of the conference: 5TH IEEE RAS & EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS (BIROB 2014)
City of event: SAO PAULO, BRASIL,
Date of event: 12/08/2014
BADESA CLEMENTE; FRANCISCO JAVIER; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Proc. Of 5th IEEE/RAS-EMBS Inter. Conf. On Biomedical Robotics and Biomechatronics BIOROB 2014".
- 64** **Title of the work:** Robot assisted rehabilitation treatment of a 65-year old woman with alien hand syndrome
Name of the conference: 5TH IEEE RAS & EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS (BIROB 2014)
City of event: SAO PAULO, BRASIL,
Date of event: 12/08/2014
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA. "Proc. Of 5th IEEE/RAS-EMBS Inter. Conf. On Biomedical Robotics and Biomechatronics BIOROB 2014".
- 65** **Title of the work:** First Steps towards a USE System for Non-invasive Thyroid Exploration
Name of the conference: XIII MEDITERRANEAN CONFERENCE ON MEDICAL AND BIOLOGICAL ENGINEERING AND COMPUTING 2013 / MEDICON 2013
City of event: Sevilla,
Date of event: 25/09/2013
RODRIGUEZ SOLER; JUAN; MORENO PEREZ; OSCAR; SABATER NAVARRO; JOSE MARIA. "XIII Mediterranean Conference on Medical and Biological Engineering and Computing 2013".
- 66** **Title of the work:** Desarrollo de un sistema multimodal de rehabilitación asistida por robots
Name of the conference: XXXIV JORNADAS DE AUTOMATICA
City of event: Terrassa,
Date of event: 04/09/2013
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Actas de las XXXIV Jornadas de Automática (Terrassa, 4 al 6 de septiembre de 2013)".
- 67** **Title of the work:** Desarrollo de una clase en Matlab para la simulación realista de robots seriales
Name of the conference: XXXIV JORNADAS DE AUTOMATICA
City of event: Terrassa,
Date of event: 04/09/2013
MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA. "Actas de las XXXIV Jornadas de Automática (Terrassa, 4 al 6 de septiembre de 2013)".



- 68** **Title of the work:** Evaluation of age parameter in sensorymotor behavior with robotic rehabilitation
Name of the conference: INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN NEUROREHABILITATION / ICRAN2013
City of event: Valencia,
Date of event: 07/03/2013
GARCIA ARACIL; NICOLAS MANUEL; LLINARES BURGNET; ANA; BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; SABATER NAVARRO; JOSE MARIA. "Proceedings of the International Conference on Recent Advances in Neurorehabilitation".
- 69** **Title of the work:** Use of NiTi springs for robotic hand rehabilitation
Name of the conference: INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN NEUROREHABILITATION / ICRAN2013
City of event: Valencia,
Date of event: 07/03/2013
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "Proceedings of the International Conference on Recent Advances in Neurorehabilitation".
- 70** **Title of the work:** Multimodal Robotic Device to assistive and rehabilitation tasks
Name of the conference: INTERNATIONAL CONFERENCE ON NEUROREHABILITATION / ICNR 2012
City of event: Toledo,
Date of event: 14/11/2012
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Converging Clinical and Engineering Research on Neurorehabilitation".
- 71** **Title of the work:** Estudio de la función sensoriomotora mediante el dispositivo robótico PUPArm
Name of the conference: XXXIII JORNADAS DE AUTOMATICA
City of event: Vigo,
Date of event: 05/09/2012
LLINARES BURGNET; ANA; BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA. "Actas de las XXXIII Jornadas de Automática".
- 72** **Title of the work:** Interfaz multimodal basada en la combinación de información ocular, cerebral y háptica para el control de un brazo robot
Name of the conference: XXXIII JORNADAS DE AUTOMATICA
City of event: Vigo,
Date of event: 05/09/2012
UBEDA CASTELLANOS; ANDRES; IAÑEZ MARTINEZ; EDUARDO; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL. "Actas de las XXXIII Jornadas de Automática".
- 73** **Title of the work:** A simple and compact parallel robotic wrist for laparoscopy
Name of the conference: IEEE INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Roma, Italy
Date of event: 24/07/2012
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER. "The Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, Roma, Italy. June 24-27, 2012.".



- 74** **Title of the work:** Advanced hyperbaric oxygen therapies in automated multiplace chambers
Name of the conference: IEEE INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Roma, Italy
Date of event: 24/07/2012
DE PACO SOTO; JOSE MANUEL; PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA; FERNANDEZ JOVER; EDUARDO. "The Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, Roma, Italy. June 24-27, 2012."
- 75** **Title of the work:** Brain-Machine Interface Based on EEG Mapping to Control an Assistive Robotic Arm
Name of the conference: IEEE INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Roma, Italy
Date of event: 24/07/2012
UBEDA CASTELLANOS; ANDRES; AZORIN POVEDA; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS. "The Fourth IEEE RAS/EMBS International Conference on Biomedical Robotics and Biomechatronics, Roma, Italy. June 24-27, 2012."
- 76** **Title of the work:** Experiencias en el desarrollo de sistemas de rehabilitación asistida por robots para pacientes con daño cerebral sobrevenido
Name of the conference: 4º SIMPOSIO CEA DE BIOINGENIERIA 2012
City of event: Valladolid,
Date of event: 29/05/2012
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS. "4º Simposio CEA Bioingeniería 2012 ¿ Redes REDINBIO y RETADIM ¿ BCI (Brain Computer Interface) y Tecnologías de la Rehabilitación ¿ Libro de Actas".
- 77** **Title of the work:** Control de un brazo robot mediante una interfaz cerebro-máquina no invasiva espontánea
Name of the conference: ROBOT 2011
City of event: Sevilla,
Date of event: 28/11/2011
IAÑEZ MARTINEZ; EDUARDO; LLEDO PEREZ; LUIS DANIEL; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA. "Actas ROBOT 2011 (Robótica Experimental)".
- 78** **Title of the work:** Interfaz de teleoperación para un pequeño robot de cirugía mínimamente invasiva
Name of the conference: ROBOT 2011
City of event: Sevilla,
Date of event: 28/11/2011
SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA; BADESA CLEMENTE; FRANCISCO JAVIER; FERNANDEZ JOVER; EDUARDO. "Actas ROBOT 2011 (Robótica Experimental)".
- 79** **Title of the work:** Fast pick & place robot for soft manipulation of onions or artichokes
Name of the conference: CIAM 2011 - INTERNATIONAL CONFERENCE ON AUTOMATION AND MECHATRONICS
City of event: Oran - Argelia,
Date of event: 22/11/2011
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER.



- 80** **Title of the work:** System for early detection of breast cancer using ultrasound images
Name of the conference: CIAM 2011 - INTERNATIONAL CONFERENCE ON AUTOMATION AND MECHATRONICS
City of event: Oran - Argelia,
Date of event: 22/11/2011
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS.
- 81** **Title of the work:** Herramienta software para visualizar el mapa intraglandular del cáncer de próstata
Name of the conference: CASEIB 2011 - XXIX CONGRESO ANUAL DE LA SOCIEDAD ESPAÑOLA DE INGENIERIA BIOMEDICA
City of event: caceres,
Date of event: 16/11/2011
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "Actas del XXIX Congreso Anual de la Sociedad Española de Ingeniería Biomédica".
- 82** **Title of the work:** Simuladores quirúrgicos para MIS
Name of the conference: CASEIB 2011 - XXIX CONGRESO ANUAL DE LA SOCIEDAD ESPAÑOLA DE INGENIERIA BIOMEDICA
City of event: caceres,
Date of event: 16/11/2011
SABATER NAVARRO; JOSE MARIA.
- 83** **Title of the work:** Pneumatic robotic device for early delivering of rehabilitation therapy
Name of the conference: 33RD ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY
City of event: Boston,
Date of event: 30/08/2011
MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA. "33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society".
- 84** **Title of the work:** Análisis biomecánico de la cadena cinemática de miembro inferior con tecnología ZigBee
Name of the conference: VI CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD
City of event: Palma de Mallorca,
Date of event: 16/06/2011
SABATER NAVARRO; JOSE MARIA. "VI Congreso Iberoamericano de Tecnologías de Apoyo a la Discapacidad. Libro de Actas".
- 85** **Title of the work:** Análisis cinemático de un sistema robótico dual para rehabilitación de miembro superior
Name of the conference: VI CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD
City of event: Palma de Mallorca,
Date of event: 16/06/2011
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA. "VI Congreso Iberoamericano de Tecnologías de Apoyo a la Discapacidad. Libro de Actas".
- 86** **Title of the work:** Eliminación del temblor en tareas de telemanipulación mediante una interfaz multimodal
Name of the conference: VI CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD
City of event: Palma de Mallorca,
Date of event: 16/06/2011



SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA. "VI Congreso Iberoamericano de Tecnologías de Apoyo a la Discapacidad. Libro de Actas".

- 87** **Title of the work:** Herramienta de evaluación para terapias de rehabilitación en marcha subacuática
Name of the conference: VI CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD
City of event: Palma de Mallorca,
Date of event: 16/06/2011
SABATER NAVARRO; JOSE MARIA. "VI Congreso Iberoamericano de Tecnologías de Apoyo a la Discapacidad. Libro de Actas".
- 88** **Title of the work:** Realimentaciones hapticas para prótesis mioeléctricas de mano
Name of the conference: VI CONGRESO IBEROAMERICANO DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD
City of event: Palma de Mallorca,
Date of event: 16/06/2011
SABATER NAVARRO; JOSE MARIA. "VI Congreso Iberoamericano de Tecnologías de Apoyo a la Discapacidad. Libro de Actas".
- 89** **Title of the work:** Desarrollo de un Sistema de percepción sensorial para prótesis de mano
Name of the conference: XIV CONVENCION DE INGENIERIA ELECTRICA - CIE 2011
City of event: Los Cayos, Cuba,
Date of event: 14/06/2011
SABATER NAVARRO; JOSE MARIA. "Actas del XIV Convención de Ingeniería eléctrica".
- 90** **Title of the work:** Sistema de realidad virtual para la rehabilitación neurológica basada en robots
Name of the conference: XIV CONVENCION DE INGENIERIA ELECTRICA - CIE 2011
City of event: Los Cayos, Cuba,
Date of event: 14/06/2011
BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Actas del XIV Convención de Ingeniería eléctrica".
- 91** **Title of the work:** Sistema para la detección precoz del cáncer de mama utilizando imágenes de ultrasonografía
Name of the conference: XIV CONVENCION DE INGENIERIA ELECTRICA - CIE 2011
City of event: Los Cayos, Cuba,
Date of event: 14/06/2011
SABATER NAVARRO; JOSE MARIA; BADESA CLEMENTE; FRANCISCO JAVIER; MORALES VIDAL; RICARDO. "Actas del XIV Convención de Ingeniería eléctrica".
- 92** **Title of the work:** iProstate: herramienta de visualización tridimensional del mapa intraglandular del cáncer de próstata creada para ayudar al cirujano a planificar la radicalidad del tratamiento quirúrgico
Name of the conference: 76 CONGRESO NACIONAL DE UROLOGIA
City of event: Malaga,
Date of event: 08/06/2011
SABATER NAVARRO; JOSE MARIA.
- 93** **Title of the work:** Improving Human-Robot Interaction by a Multimodal Interface
Name of the conference: IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN AND CYBERNETICS 2010
City of event: Istanbul, Turkey,
Date of event: 10/10/2010



AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS. "2010 IEEE International Conference on Systems, Man and Cybernetics".

- 94 Title of the work:** Comparison of predictive models for staging prostate cancer
Name of the conference: 3RD IEEE/RAS-EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Tokyo,
Date of event: 26/09/2010
RODRIGUEZ SOLER; JUAN; SABATER NAVARRO; JOSE MARIA; LOPEZ DOMENECH; LUIS MARIA; PEREZ VIDAL; CARLOS. "Proc. of 3rd IEEE/RAS-EMBS Int. Conf.. on biomedical robotics and biomechatronics".
- 95 Title of the work:** Design and control of a rehabilitation robot driven by pneumatic swivel modules
Name of the conference: 3RD IEEE/RAS-EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Tokyo,
Date of event: 26/09/2010
MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER; LOPEZ DOMENECH; LUIS MARIA; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; FERNANDEZ JOVER; EDUARDO. "Proc. of 3rd IEEE/RAS-EMBS Int. Conf.. on biomedical robotics and biomechatronics".
- 96 Title of the work:** Haptics simulator for training of total knee replacement
Name of the conference: 3RD IEEE/RAS-EMBS INTERNATIONAL CONFERENCE ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Tokyo,
Date of event: 26/09/2010
SABATER NAVARRO; JOSE MARIA; BADESA CLEMENTE; FRANCISCO JAVIER; RODRIGUEZ SOLER; JUAN; GARCIA ARACIL; NICOLAS MANUEL. "Proc. of 3rd IEEE/RAS-EMBS Int. Conf.. on biomedical robotics and biomechatronics".
- 97 Title of the work:** Developments in medical robotics at Miguel Hernandez University
Name of the conference: 9TH PORTUGUESE CONFERENCE ON AUTOMATIC CONTROL-CONTROLO 2010
City of event: Coimbra,
Date of event: 08/09/2010
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA.
- 98 Title of the work:** Interfaz de programacion para la representacion de cirugias con capacidades haptias y de deteccion de colisiones seleccionables empleando plugins
Name of the conference: XXXI JORNADAS DE AUTOMATICA
City of event: Jaen - España,
Date of event: 06/09/2010
SABATER NAVARRO; JOSE MARIA. "Proceedings XXXXI Jornadas de Automatica".
- 99 Title of the work:** Método de medida de la función visual en ratones con retinosis pigmentosa
Name of the conference: SIMPOSIO CEA DE BIOINGENIERIA 2010. REDES REDINBIO Y RETADIM
City of event: Málaga,
Date of event: 28/06/2010



GARCIA MOLL; ALEJANDRO; BONGARD .; MARKUS; PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA; FERNANDEZ JOVER; EDUARDO. "Simposio de Bioingeniería 2010. Redes REDINBIO y RETADIM".

- 100 Title of the work:** A new 3UPS1S spherical wrist for minimally invasive robotic surgery
Name of the conference: 41ST INTERNATIONAL SYMPOSIUM ON ROBOTICS
City of event: Munich,
Date of event: 07/06/2010
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; BADESA CLEMENTE; FRANCISCO JAVIER; LOPEZ DOMENECH; LUIS MARIA. "Proceedings of teh 41st International Symposium on Robotics".
- 101 Title of the work:** Pneumatic rehabilitation robot: modelling and control
Name of the conference: 41ST INTERNATIONAL SYMPOSIUM ON ROBOTICS
City of event: Munich,
Date of event: 07/06/2010
MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER; LOPEZ DOMENECH; LUIS MARIA; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS. "Proceedings of teh 41st International Symposium on Robotics".
- 102 Title of the work:** Monitoring and optimization in the cutting processes by using a maltese cross performance
Name of the conference: GLOBAL STONE CONGRESS 2010
City of event: Alicante,
Date of event: 02/03/2010
SABATER NAVARRO; JOSE MARIA. "Proceedings of the global stone congress 2010".
- 103 Title of the work:** Parallel robot optimization for marble processes treatment
Name of the conference: GLOBAL STONE CONGRESS 2010
City of event: Alicante,
Date of event: 02/03/2010
SABATER NAVARRO; JOSE MARIA. "Proceedings of the global stone congress 2010".
- 104 Title of the work:** OpenSurg; an iberoamerican project for the teaching in medical robotics
Name of the conference: 3RD CONFERENCE ON ADVANCES IN COMPUTER-HUMAN INTERACTIONS- ACHI 2010
City of event: St. Marteen,
Date of event: 10/02/2010
SABATER NAVARRO; JOSE MARIA. "Proceedings of the 3rd Int. Conf. on Advanced in Computer-Human interactions".
- 105 Title of the work:** Imhotep, avances en un robot quirúrgico para aplicaciones de cirugía minima invasiva
Name of the conference: II WORKSHOP DE ROBOTICA ROBOT'2009
City of event: Barcelona,
Date of event: 23/11/2009
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA.
- 106 Title of the work:** Dispositivo de rehabilitación de falanges del sistema robótico AUPA para miembro superior
Name of the conference: IV JORNADAS IBEROAMERICANAS DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD: "LAS TECNOLOGIAS DE APOYO EN PARALISIS CEREBRAL"



City of event: Madrid,

Date of event: 26/10/2009

SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS; FERNANDEZ JOVER; EDUARDO. "Las tecnologías de apoyo en parálisis cerebral".

- 107** **Title of the work:** Optimización del diseño de un sistema robótico dual para rehabilitación de miembros superiores mediante método kabat
Name of the conference: IV JORNADAS IBEROAMERICANAS DE TECNOLOGIAS DE APOYO A LA DISCAPACIDAD: "LAS TECNOLOGIAS DE APOYO EN PARALISIS CEREBRAL"
City of event: Madrid,
Date of event: 26/10/2009
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "Las tecnologías de apoyo en parálisis cerebral".
- 108** **Title of the work:** Electronic schuko socket for electrical energy saving
Name of the conference: ETFA 2009- IEEE CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION
City of event: Mallorca,
Date of event: 22/09/2009
MORALES VIDAL; RICARDO; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS. "2009 IEEE CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION".
- 109** **Title of the work:** Eye-Tracking Interface based on Artificial Vision for Robot Controlling
Name of the conference: THE 13TH IASTED INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND SOFT COMPUTING (ASC 2009)
City of event: Palma de Mallorca, Spain,
Date of event: 07/09/2009
AZORIN POVEDA; JOSE MARIA; IAÑEZ MARTINEZ; EDUARDO; SABATER NAVARRO; JOSE MARIA. "Proceedings of the 13th IASTED International Conference on Artificial Intelligence and Soft Computing (ASC 2009), September 7 & 9, 2009, Palma de Mallorca, Spain".
- 110** **Title of the work:** Base schuko electrónica para monitorización y control de consumos
Name of the conference: XXX JORNADAS DE AUTOMATICA
City of event: Valladolid, España,
Date of event: 02/09/2009
MORALES VIDAL; RICARDO; BADESA CLEMENTE; FRANCISCO JAVIER; PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL. "XXX Jornadas de Automática".
- 111** **Title of the work:** Eficiencia de la FPGA frente a ordenadores en la implementación de filtros recursivos
Name of the conference: XXX JORNADAS DE AUTOMATICA
City of event: Valladolid, España,
Date of event: 02/09/2009
PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA. "XXX Jornadas de Automática".
- 112** **Title of the work:** Entorno virtual para simulación dinámica basado en Blender
Name of the conference: XXX JORNADAS DE AUTOMATICA
City of event: Valladolid, España,
Date of event: 02/09/2009
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; IAÑEZ MARTINEZ; EDUARDO; GARCIA ARACIL; NICOLAS MANUEL. "XXX Jornadas de Automática".



- 113** **Title of the work:** Sistema de 1 GDL para la rehabilitación pasiva de falanges
Name of the conference: XXX JORNADAS DE AUTOMATICA
City of event: Valladolid, España,
Date of event: 02/09/2009
GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "XXX Jornadas de Automática".
- 114** **Title of the work:** Teleoperación de un brazo robot mediante teléfono móvil con reflexión de esfuerzos
Name of the conference: XXX JORNADAS DE AUTOMATICA
City of event: Valladolid, España,
Date of event: 02/09/2009
LLOR SIRVENT; JESUS ANTONIO; IAÑEZ MARTINEZ; EDUARDO; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA. "XXX Jornadas de Automática".
- 115** **Title of the work:** force reflection algorithm in tumour resection procedures
Name of the conference: CARS 2009 COMPUTER ASSISTED RADIOLOGY AND SURGERY
City of event: Berlin,
Date of event: 23/06/2009
SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA.
- 116** **Title of the work:** Aplicación de una muñeca esférica de estructura paralela a la cirugía laparoscopica
Name of the conference: SIMPOSIO CEA DE BIOINGENIERIA 2009. REDES REDINBIO Y RETADIM
City of event: Elche,
Date of event: 01/06/2009
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS. "Libro de Actas. Simposio CEA de Bioingeniería 2009. Redes REDINBIO y RETADIM. Junio 2009. Elche".
- 117** **Title of the work:** Interfaz de Seguimiento Ocular Basado en Visión Artificial para Personas con Discapacidad
Name of the conference: III CONGRESO INTERNACIONAL SOBRE DOMOTICA, ROBOTICA Y TELEASISTENCIA PARA TODOS (DRT4ALL 2009)
City of event: Barcelona, España,
Date of event: 20/05/2009
AZORIN POVEDA; JOSE MARIA; IAÑEZ MARTINEZ; EDUARDO; SABATER NAVARRO; JOSE MARIA. "Libro de ACTAS III Congreso Internacional sobre Domótica, Robótica y Teleasistencia para Todos DRT4all 2009".
- 118** **Title of the work:** EOG and EEG Control of Robot Arms
Name of the conference: ICRA 2009- IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION
City of event: Kobe, Japan,
Date of event: 12/05/2009
IAÑEZ MARTINEZ; EDUARDO; AZORIN POVEDA; JOSE MARIA; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA. "2009 IEEE International Conference on Robotics and Automation (ICRA 2009) ¿ Workshops and Tutorial Proceedings".
- 119** **Title of the work:** Control Strategies for Human-Robot Interaction using EOG
Name of the conference: 40TH INTERNATIONAL SYMPOSIUM ON ROBOTICS
City of event: Barcelona,
Date of event: 10/03/2009



IAÑEZ MARTINEZ; EDUARDO; AZORIN POVEDA; JOSE MARIA; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA. "40th International Symposium on Robotics".

- 120** **Title of the work:** efficient collision algorithm for the 3d haptic interaction with solid organs in medical environments
Name of the conference: ACHI 2009 THE SECOND INTERNATIONAL CONFERENCE ADVANCES IN COMPUTER-HUMAN INTERACTIONS
City of event: Mexico,
Date of event: 01/02/2009
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA. "Proc. of the 2nd Int. Conf. on Advances in Computer-Human Interactions".
- 121** **Title of the work:** On Accelerating the ss-Kalman Filter for High-Performance Computing
Name of the conference: INTERNATIONAL SYMPOSIUM ON DISTRIBUTED COMPUTING AND ARTIFICIAL INTELLIGENCE (DCAI)
City of event: Salamanca,
Date of event: 22/10/2008
PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA. "International Symposium on Distributed Computing and Artificial Intelligence 2008 (DCAI)".
- 122** **Title of the work:** evaluation of RPMS techniques for force feedback in telerobotics
Name of the conference: BIOROB 2008. INT. CONF. ON BIOMEDICAL ROBOTICS AND BIOMECHATRONICS
City of event: Scottsdale,
Date of event: 19/10/2008
AZORIN POVEDA; JOSE MARIA; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL. "Proc. of 2nd IEEE/RAS-EMBS Int. Conf. on Biomedical Robotics and Biomechatronics".
- 123** **Title of the work:** Integración de Herramientas 3D en un Simulador para Entrenamiento de Técnicas de Laparoscopia
Name of the conference: CASEIB 2008
City of event: Valladolid,
Date of event: 15/10/2008
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL. "Libro de Actas del XXVI Congreso Anual de la Sociedad Española de Ingeniería Biomédica".
- 124** **Title of the work:** Interfaz basada en electrooculografía para control de dispositivos por personas discapacitadas
Name of the conference: CASEIB 2008
City of event: Valladolid,
Date of event: 15/10/2008
AZORIN POVEDA; JOSE MARIA; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA. "Libro de Actas del XXVI Congreso Anual de la Sociedad Española de Ingeniería Biomédica".
- 125** **Title of the work:** Computational cost of two forward kinematic models for a S-G based climbing robot
Name of the conference: CLAWAR08. 11TH INT. CONF. ON CLIMBING AND WALKING ROBOTS
City of event: Coimbra, Portugal,
Date of event: 08/09/2008



PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA. "Advances in mobile robotics. Proc. of the 11th Int. Conf. on CLAWAR".

- 126** **Title of the work:** Teleoperation of a manipulator with a master robot of different kinematics using bilateral control by state convergence
Name of the conference: CLAWAR08. 11TH INT. CONF. ON CLIMBING AND WALKING ROBOTS
City of event: Coimbra, Portugal,
Date of event: 08/09/2008
SABATER NAVARRO; JOSE MARIA. "Advances in mobile robotics. Proc. of the 11th Int. Conf. on CLAWAR".
- 127** **Title of the work:** motion planning to catch a moving object
Name of the conference: CLAWAR08. 11TH INT. CONF. ON CLIMBING AND WALKING ROBOTS
City of event: Coimbra, Portugal,
Date of event: 08/09/2008
PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA. "Advances in mobile robotics. Proc. of the 11th Int. Conf. on CLAWAR".
- 128** **Title of the work:** Analisis del espacio de trabajo de un robot paralelo 3RRR
Name of the conference: XXIX JORNADAS DE AUTOMATICA
City of event: Tarragona,
Date of event: 03/09/2008
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS. "XXIX Jornadas de Automática".
- 129** **Title of the work:** Primeros pasos en el control de un brazo robot mediante señales EEG
Name of the conference: XXIX JORNADAS DE AUTOMATICA
City of event: Tarragona,
Date of event: 03/09/2008
AZORIN POVEDA; JOSE MARIA; FERNANDEZ JOVER; EDUARDO; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS. "XXIX Jornadas de Automática".
- 130** **Title of the work:** Autonomous Surgical Robot using Visual Servoing in the Extended Image Plane
Name of the conference: 17TH IFAC INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL WORLD CONGRESS
City of event: Seoul, Korea,
Date of event: 06/07/2008
PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA. "17th IFAC World Congress".
- 131** **Title of the work:** Transparent Bilateral Control Architecture by State Convergence for Telerobotics
Name of the conference: 17TH IFAC INTERNATIONAL FEDERATION OF AUTOMATIC CONTROL WORLD CONGRESS
City of event: Seoul, Korea,
Date of event: 06/07/2008
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL. "17th IFAC World Congress".



- 132 Title of the work:** algorithm for haptic rendering of reconstructed 3D solid organs
Name of the conference: COMPUTER ASSITED RADIOLOGY AND SURGERY
City of event: Barcelona,
Date of event: 25/06/2008
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; AZORIN POVEDA; JOSE MARIA.
- 133 Title of the work:** Bilateral Control Architecture for Telerobotics Systems in Unknown Environments
Name of the conference: EUROHAPTICS 2008
City of event: Madrid,
Date of event: 10/06/2008
AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Haptics: Perception, Devices and Scenarios, 6th International Conference, EuroHaptics 2008, Madrid, Spain, June 2008, Proceedings".
- 134 Title of the work:** Transparent Bilateral Control for Time-Delayed Teleoperation by State Convergence
Name of the conference: 2008 IEEE INTERNATIONAL CONFERENCE ON ROBOTICS AND AUTOMATION
City of event: Pasadena,
Date of event: 19/05/2008
AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA. "Proceedings of the 2008 IEEE International Conference on Robotics and Automation".
- 135 Title of the work:** Supervised architecture in the operating room for robotic surgery
Name of the conference: XVI WINTER COURSE QUALITY CONTROL IN TELEMEDICINE. BIOBANKING
City of event: Tenerife,
Date of event: 25/02/2008
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; COMPAÑ ROSIQUE; ANTONIO F.; GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS. "Proceedings XVI Winter Course Quality Control in Telemedicine. Biobanking".
- 136 Title of the work:** Simulaciones y realidad aumentada en cirugía robotizada
Name of the conference: 5ª Reunión anual de la sociedad española de cirugía ortopédica asistida por computador (CAOS-España)
City of event: Benidorm,
Date of event: 30/03/2006
SABATER NAVARRO; JOSE MARIA.
- 137 Title of the work:** Performance analysis of a continous vision-based control system for the navigation of a mobile robot
Name of the conference: 16th IFAC World Congress
City of event: Prague,
Date of event: 04/07/2005
GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; REINOSO GARCÍA; ÓSCAR.
- 138 Title of the work:** Robust image-based visual servoing system using a redundant architecture
Name of the conference: 16th IFAC World Congress
City of event: Prague,
Date of event: 04/07/2005



GARCIA ARACIL; NICOLAS MANUEL; PEREZ VIDAL; CARLOS; PAYA CASTELLO; LUIS; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; JIMENEZ GARCIA; LUIS MIGUEL.

- 139** **Title of the work:** Simulador Quirúrgico de Cirugía Mínimamente Invasiva basado en Realidad Virtual
Name of the conference: 4º Congreso CAOS (Computer Assisted Orthopaedic Surgery) - España
City of event: Valladolid, Spain
Date of event: 05/11/2004
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; PUERTO MANCHON; RAFAEL; PEREZ VIDAL; CARLOS.
- 140** **Title of the work:** Diseño y Control de un Sistema de 2 gdl formado por Músculos Neumáticos en Oposición
Name of the conference: XXV Jornadas de Automática
City of event: Ciudad Real, Spain
Date of event: 08/09/2004
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; ÑECO GARCIA; RAMON PEDRO; JIMENEZ GARCIA; LUIS MIGUEL.
- 141** **Title of the work:** Remote Laboratory for Automation Education
Name of the conference: Second IFAC Workshop on Internet Based Control Education 2004 (IBCE04)
City of event: Grenoble, France
Date of event: 05/09/2004
AZORIN POVEDA; JOSE MARIA; PAYA CASTELLO; LUIS; JIMENEZ GARCIA; LUIS MIGUEL; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA.
- 142** **Title of the work:** Advances in Natural Language Interaction in Mobile Robots used for Practice Education
Name of the conference: Tenth International Symposium on Robotics with Applications
City of event: Seville, Spain,
Date of event: 28/06/2004
ÑECO GARCIA; RAMON PEDRO; REINOSO GARCÍA; ÓSCAR; SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; JIMENEZ GARCIA; LUIS MIGUEL. "Proceedings of the 2004 World Automation Congress".
- 143** **Title of the work:** Herramienta para la simulación de tareas teleoperadas de n grados de libertad
Name of the conference: XXIV Jornadas de Automática
City of event: León, España,
Date of event: 10/09/2003
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; ÑECO GARCIA; RAMON PEDRO; REINOSO GARCÍA; ÓSCAR; GARCIA ARACIL; NICOLAS MANUEL.
- 144** **Title of the work:** Stability Analysis of a Telerobotic System with Time Delay
Name of the conference: IFAC Workshop on Time-Delay Systems TDS'2003
City of event: Rocquencourt, FRANCE,
Date of event: 06/09/2003
AZORIN POVEDA; JOSE MARIA; REINOSO GARCÍA; ÓSCAR; SABATER NAVARRO; JOSE MARIA.
- 145** **Title of the work:** Control Design Tool for Algebraic Digital Controllers
Name of the conference: Proceedings of the International Conference on Engineering Education
City of event: Valencia, España,
Date of event: 21/07/2003
ÑECO GARCIA; RAMON PEDRO; REINOSO GARCÍA; ÓSCAR; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL.



- 146** **Title of the work:** Process Control and Supervision through Internet
Name of the conference: Proceedings of the International Conference on Engineering Education
City of event: Valencia, España,
Date of event: 21/07/2003
PAYA CASTELLO; LUIS; AZORIN POVEDA; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL;
SABATER NAVARRO; JOSE MARIA; PEREZ VIDAL; CARLOS; ÑECO GARCIA; RAMON PEDRO.
- 147** **Title of the work:** A New Control Method of Teleoperators with Time Delay
Name of the conference: Proceedings of the 11th International Conference on Advanced Robotics (ICAR 2003)
City of event: Coimbra, Portugal,
Date of event: 30/06/2003
AZORIN POVEDA; JOSE MARIA; REINOSO GARCÍA; ÓSCAR; SABATER NAVARRO; JOSE MARIA;
PEREZ VIDAL; CARLOS.
- 148** **Title of the work:** Robot Modelling on Dynamic Teleoperation Virtual Environments
Name of the conference: Proceedings of the 11th International Conference on Advanced Robotics (ICAR 2003)
City of event: Coimbra, Portugal,
Date of event: 30/06/2003
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; REINOSO GARCÍA; ÓSCAR;
ÑECO GARCIA; RAMON PEDRO; GARCIA ARACIL; NICOLAS MANUEL.
- 149** **Title of the work:** La Enseñanza de la Visión Artificial en la Universidad Miguel Hernández
Name of the conference: Proceedings of the Workshop on Education and Practice in Artificial Vision
City of event: Port d'Andratx,
Date of event: 03/06/2003
REINOSO GARCÍA; ÓSCAR; JIMENEZ GARCIA; LUIS MIGUEL; AZORIN POVEDA; JOSE MARIA;
SABATER NAVARRO; JOSE MARIA; FERNANDEZ PERIS; CESAR.
- 150** **Title of the work:** Descripción de la problemática de formación continua y reciclaje profesional del entrono industrial de la Universidad Miguel Hernández de Elche.
Name of the conference: X Congreso de Innovación Educativa en las Enseñanzas Técnicas.
City of event: Valencia,
Date of event: 30/09/2002
SABATER NAVARRO; JOSE MARIA; VICENTE RIPOLL; MARIA ASUNCION; FERNANDEZ PERIS;
CESAR; GARCIA ARACIL; NICOLAS MANUEL; ÑECO GARCIA; RAMON PEDRO.
- 151** **Title of the work:** Experiencias en la motivación de estudiantes por medio de la participación en concursos de proyectos técnicos.
Name of the conference: X Congreso de Innovación Educativa en las Enseñanzas Técnicas.
City of event: Valencia,
Date of event: 30/09/2002
GARCIA SANZ; NURIA; ÑECO GARCIA; RAMON PEDRO; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; PEREZ POMARES; CARLOS; PUERTO MANCHON; RAFAEL.
- 152** **Title of the work:** Taller de programación de minirobots como apoyo práctico en la asignatura Sistemas Informáticos en Tiempo Real.
Name of the conference: X Congreso de Innovación Educativa en las Enseñanzas Técnicas.
City of event: Valencia,
Date of event: 30/09/2002



JIMENEZ GARCIA; LUIS MIGUEL; ÑECO GARCIA; RAMON PEDRO; REINOSO GARCÍA; ÓSCAR; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA.

- 153 Title of the work:** Adding a robot dynamic simulator to teleoperation architectures.
Name of the conference: ISRA-2002, 3rd International Symposium on Robotics and Automation.
City of event: Toluca, Mexico,
Date of event: 30/07/2002
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; REINOSO GARCÍA; ÓSCAR; ÑECO GARCIA; RAMON PEDRO; PEREZ POMARES; CARLOS.
- 154 Title of the work:** Experiments with COIL database using PCA-based object recognition techniques.
Name of the conference: ISRA-2002, 3rd International Symposium on Robotics and Automation.
City of event: Toluca, Mexico,
Date of event: 30/07/2002
VICENTE RIPOLL; MARIA ASUNCION; REINOSO GARCÍA; ÓSCAR; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; FERNANDEZ PERIS; CESAR; JIMENEZ GARCIA; LUIS MIGUEL.
- 155 Title of the work:** Bilateral control of teleoperators with time- delay: stability analysis.
Name of the conference: IFAC Workshop on Internet Based Control Education IBCE.
City of event: Madrid,
Date of event: 12/12/2001
AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE MARIA; FERNANDEZ PERIS; CESAR.
- 156 Title of the work:** Issues on the Simulation of Teleoperated Systems.
Name of the conference: IASTED International Conference Robotics and Applications.
City of event: Florida, USA,
Date of event: 19/11/2001
SABATER NAVARRO; JOSE MARIA; GARCIA ARACIL; NICOLAS MANUEL; AZORIN POVEDA; JOSE MARIA; PUERTO MANCHON; RAFAEL; ÑECO GARCIA; RAMON PEDRO.
- 157 Title of the work:** Robot Grasp Learning in a Teleoperated System.
Name of the conference: IASTED International Conference.
City of event: Tampa, Florida,
Date of event: 19/11/2001
FERNANDEZ PERIS; CESAR; GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA; JIMENEZ GARCIA; LUIS MIGUEL; AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS.
- 158 Title of the work:** Robot grasp learning in a teleoperated system.
Name of the conference: IASTED International Conference Robotics and Applications.
City of event: Florida, USA,
Date of event: 19/11/2001
FERNANDEZ PERIS; CESAR; SABATER NAVARRO; JOSE MARIA; JIMENEZ GARCIA; LUIS MIGUEL; AZORIN POVEDA; JOSE MARIA; PEREZ VIDAL; CARLOS.
- 159 Title of the work:** Simulación del servo- control visual de un robot de 2 GDL.
Name of the conference: XXII Jornadas de Automática Unidad de Ingeniería de Sistemas y Automática del Departamento de Informática de la Universidad Autónoma de Barcelona.
City of event: Barcelona,
Date of event: 12/09/2001
GARCIA ARACIL; NICOLAS MANUEL; FERNANDEZ PERIS; CESAR; JIMENEZ GARCIA; LUIS MIGUEL; SABATER NAVARRO; JOSE MARIA; ÑECO GARCIA; RAMON PEDRO.



- 160** **Title of the work:** Control de enfoque de un sistema activo de visión estereoscópica.
Name of the conference: X Simposio de Ingeniería Eléctrica SIE
City of event: Cuba,
Date of event: 01/05/2001
JIMENEZ GARCIA; LUIS MIGUEL; FERNANDEZ PERIS; CESAR; PUERTO MANCHON; RAFAEL;
GARCIA ARACIL; NICOLAS MANUEL; SABATER NAVARRO; JOSE MARIA.
- 161** **Title of the work:** Entorno software para la docencia de control de robots.
Name of the conference: X Simposio de Ingeniería Eléctrica SIE
City of event: Cuba,
Date of event: 01/05/2001
SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE MARIA; SALTAREN PAZMIÑO; ROQUE
JACINTO; GARCIA ARACIL; NICOLAS MANUEL; ÑECO GARCIA; RAMON PEDRO.
- 162** **Title of the work:** Climbing and walking parallel robots applied to construction.
Name of the conference: 6th International conference on Control, Automation, Robotics and Vision
City of event: Singapore, Republic of Singapore,
Date of event: 05/12/2000
SALTAREN PAZMIÑO; ROQUE JACINTO; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE
MARIA.
- 163** **Title of the work:** Programación de robots con lenguaje natural.
Name of the conference: XXI Jornadas de Automática
City of event: Sevilla,
Date of event: 01/09/2000
ÑECO GARCIA; RAMON PEDRO; AZORIN POVEDA; JOSE MARIA; GARCIA ARACIL; NICOLAS
MANUEL; SABATER NAVARRO; JOSE MARIA; SALTAREN PAZMIÑO; ROQUE JACINTO.
- 164** **Title of the work:** Climbing Parallel Robots Morphologies
Name of the conference: 6th International IFAC Symposium on Robot Control
City of event: Viena, Austria
SALTAREN PAZMIÑO; ROQUE JACINTO; AZORIN POVEDA; JOSE MARIA; SABATER NAVARRO; JOSE
MARIA.
- 165** **Title of the work:** Kinematic Control for Navigation of Mobile Parallel Robots Applied to Large Structures
Name of the conference: 17th IAARC/CIB/IEEE/IFAC/IFR International Symposium on Automation and
Robotics in Construction (ISARC)
City of event: Taipei, Taiwan
SALTAREN PAZMIÑO; ROQUE JACINTO; SABATER NAVARRO; JOSE MARIA; AZORIN POVEDA; JOSE
MARIA.
- 166** **Title of the work:** Research and development of a pneumatic control for a parallel walking climbing robots
Name of the conference: 3rd International Conference on Climbing and walking robots
City of event: Madrid,
SALTAREN PAZMIÑO; ROQUE JACINTO; REINOSO GARCÍA; ÓSCAR; SABATER NAVARRO; JOSE
MARIA; AZORIN POVEDA; JOSE MARIA.



R&D management and participation in scientific committees

Organization of R&D activities

- 1** **Title of the activity:** 5th IEEE/RAS-EMBS Int. Conf. on Biomedical Robotics and Biomechanics
Type of activity: Congreso internacional (Editor) **Geographical area:** Non EU International
City of event: Sao Paulo, Brazil
Convening entity: IEEE **Type of entity:** Associations and Groups
Type of participation: Organiser
Start-End date: 12/08/2014 - 15/08/2014
- 2** **Title of the activity:** 4th IEEE/RAS-EMBS Int. Conf. on Biomedical Robotics and Biomechanics
Type of activity: Congreso internacional (Invited session and publication chair) **Geographical area:** Non EU International
City of event: Roma, Italy
Convening entity: IEEE **Type of entity:** Associations and Groups
Type of participation: Organiser
Start-End date: 24/06/2012 - 27/06/2012

Other achievements

Stays in public or private R&D centres

Entity: Cinvestav **Type of entity:** State agency
City of entity: Mexico, Mexico
Start date: 01/11/2010 **Duration:** 1 month
Goals of the stay: Guest

Periods of research activity and knowledge transfer

- 1** **Certifying entity:** CNEAI
Date of recognition: 17/07/2020
- 2** **Certifying entity:** CNEAI (campo transferencia)
Date of recognition: 15/04/2020
- 3** **Certifying entity:** CNEAI
Date of recognition: 31/12/2013
- 4** **Certifying entity:** CNEAI
Date of recognition: 31/12/2007



Other merits of research activity

prizes Importantes