

Open Conference on Future Trends in Robotics

RoboCity2030 Madrid's Robotics Hub Madrid, May 26-27th 2016

SESSION TITLE

Assistive and Rehabilitation Robotics

FREE ADMISSION TO THE CONFERENCE! - http://www.car.upm-csic.es/events/robocity16/

Technical

TECHNICAL SESSIONS

delling and Simulation of Servomotors for a Rehabilitation Exoskeleto

matic and Kinetic Simulation of Upper Brachial Plexus Injury in the Arm Rotatio

ision Driven Control of Robots: Review for Future Applications in CERN Accelerators Harsh Environments

nparison Between a Hybrid Rate-position Control and other Methods in a Large Workspace Teler



CAR-UPM

CAR-UPM

nipulation Tas CAR-UPM

CAR-UPM; CERN

DLR; CAR-UPM

CINVESTAV_me

UNED; INIA; UCM CAR-UPM UC3M CAR-UPM

CAR-UPM

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CAR-UPN

NEC; UC3N

CAR-UPM

U de León

UNED; Heriot-Watt Universit



May, 26th, 2016 Alin Albu-Schäffer, Institute of Robotics and Mechatronics Soft-Robotics - A Paradigm for Interaction with Humans and Unknown **Environments**

PLENARY TALKS

May, 27th, 2016 Javier Minguez, Bitbrain Technologies Neurotechnology: foundations, current applications and trends



ENTREPRENEURIAL ACTIVITIES

ROBOTIZE YOUR IDEA

¡Buscamos nuevas ideas en robótica!

- Para apuntarse: 100 palabras, 1 imagen (voluntaria). - En el evento: 3 minutos de presentación con una
- sola transparencia. - Un premio por cada una de las 4 categorías: Maker Kit Arduino valorado en más de 80 euros (patrocinado
- por BricoGeek). - Categorías: servicio/salud, industria/construcción, aeroespacial/seguridad, educación/entretenimiento (propuestas de otras áreas las encajaremos en las anteriores).

Bricoweek



*Para personas entre 0 y 99 años ;-)

BROKERAGE EVENT

¡Buscamos espíritus robóticos emprendedores!

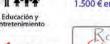
- Networking y asesoramiento por parte de entidades de inversión en I+D y grandes empresas del sector. - Premio emprendedor a la mejor inciativa de cada sector
- entregado por la revista Emprendedores. Inscripción: al inscribirse a RoboCity16 marcar casilla Brokerage event e incluir nombre y url de entidad.



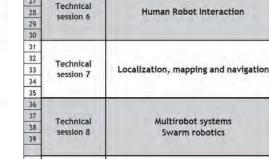




mayor potencial de crecimiento empresarial







ter Robot: Advances in Humanoid Robot Research at UC3N CAR-CSIC; UTP cial Expressions and Voice Control of an Interactive Robot Review on How to Easily Program Robots at High School JGV Navigation in ROS Using Lidar 3D th Planning on Mars Using VFM ince UC3M; NEC scade Control of the PUMA 560 Using Simulink and Arduin Tactile and haptics devices abbing Objects Through a Robotic Arm and Hand in a Safety Wa

ble Driven Robot to Simulate Low Gravity and its Aplication in Underwater Humanoid Ro

EXHIBITION



WORKSHOPS



WS1: Government involvement in robotics

- Raul Marín, Sección nuevas tecnologías, Ayuntamiento de Leganés Fernando Herrero, Subdirector General de Innovación y Ciudad Inteligente, Avuntamiento de Madrid
- Fermin Montero, Subdirector General de Innovación y Promoción Empresarial, Comunidad de Madrid - Enrique Pelayo, CDTI, Directorate of international programs
- José Ignacio Pradas Poveda, Secretaría General de Ciencia, Tecnología e Innovación, MINECO
- Carlos Toledo, CDTI, Directorate of promotion and cooperation



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WS3: Educational robots

- José María Sánchez Echave, Deputy director of in-service teacher training, Community of Madrid
- Victor Gallego, head of Robocampeones association
- Félix Rodríguez Cañadillas, CREA Robotica Educativa (spin-off of RoboCity2030), CEO
- Jesús Fernández, LEON3D, CEO



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WS5: Safety in collaborative robot applications (May 27th 2016)

- Miquel López, Director Técnico de KUKA Robots IBERICA S.A.



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WS7: Societal aspects of robotics (May 27th, 2016)

Migle Laukyte, CONEX experienced fellow in Al and Law, UC3M Antonio López, catedrático en trabajo social y servicios sociales, UNED Jesús R. Mercader, catedrático de derecho del trabajo, UC3M Antonio Rodríguez de las Heras, catedrático de historia contemporanea, UC3M



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WS2: Robotics, arts and culture (May 26th, 2016)

- Belinda Washington, actress and presenter
- Gabe Ibañez, film director
- Rosa Montero, writer and journalist Ricardo Dominguez, ROS Film Festival Director



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- Lía García Pérez, LOGIX 5 (Robótica Educativa)

WS4: Robotics innovation (HispaRob)

- José de Lara, GRUPO AID (Robótica Marítima)
- Jordi Ribatallada, ABB (Robótica Colaborativa) - Jorge Gutiérrez Riego, Drone Tools (Robótica Aérea)
- Juan Carlos Llorente, GMV (Robótica Seguridad y Defensa) Carmen Pérez, TECNATOM (Robótica Industrial)
- Eduardo Zalama, CARTIF (Robótica Médica y Asistencial)

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WS6: Entrepreneurship in robotics (May27th 2016)

- Renaud Champion, Primnext, CEO; director of euRobotics
- Diego Fernandez, Arquimea (spin-off from RoboCity2030), CEO
- RoboCity2030) - Jon Agirre, Tecnalia



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