

**DEPARTAMENTO DE**  
**INGENIERIA DE SISTEMAS Y**  
**AUTOMATICA**

## **DEPARTAMENTO DE INGENIERIA DE SISTEMAS Y AUTOMATICA**

### **Actividades de investigación**

#### **Tesis Doctorales**

- A Neuroprosthesis for Tremor Management  
*Autores:* GALLEGO ABELLA, J.A.  
*Director/Codirectores:* MORENO, L.E.; PONS, J.L.; ROCON, E.  
*Centro donde se presentó:* ESCUELA POLITECNICA SUPERIOR  
*Año:* 2013
- Detección y control del estado de una Pila PEM para funcionamiento óptimo: arquitectura de agentes de percepción y control  
*Autores:* AGILA GÁLVEZ, W.E.  
*Director/Codirectores:* GUINEA DÍAZ, D.; GARCÍA-ALEGRE SÁNCHEZ, M.C.; BALAGUER, C.  
*Centro donde se presentó:* ESCUELA POLITECNICA SUPERIOR  
*Año:* 2013
- Estrategia De Control Híbrido Cooperativo Eef-Robot Para La Compensación De La Marcha En Lesionados Medulares = Hybrid Walking Therapy with Fatigue Management for Spinal Cord Injured Individuals  
*Autores:* DEL AMA, A.J.  
*Director/Codirectores:* MORENO, J.C.; GIL, A.M.; MORENO, L.E.  
*Año:* 2013
- Reconstruction And Recognition Of Confusable Models Using Three-Dimensional Perception  
*Autores:* BUENO, J.G.  
*Director/Codirectores:* MORENO, L.E.  
*Año:* 2013

### **Publicaciones y actividades de difusión de resultados**

#### **Publicaciones en revistas científicas nacionales**

- GARCIA, F.; JIMENEZ, F.; PUERTAS, E.; NARANJO, J.E.; ARMINGOL, J.M.; FERNANDEZ, J.  
Pre-collision systems for urban environment accidents avoidance, *Securitas Vialis*, 2013, ESPAÑA.

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- ALONSO, F.; FERNÁNDEZ, J. ; MALFAZ, M. A. ; SALICHS, M.  
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A multimodal emotion detection system during human-robot interaction, *Sensors*, Vol. 13, Núm. 11, 2013, pp. 15549-15581, SUIZA.
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## **Propiedad Industrial/intelectual**

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Sistema y método para la verificación de la trayectoria de un túnel; Autores: Alberto Jardón Huete, Santiago Martínez de la Casa Díaz, Juan Carlos González Vítores, Carlos Balaguer Bernaldo de Quirós, Rafael Portero Hernández, Marc Martí Cardona;  
*Tipo*: PATENTE  
*Titular*: UNIVERSIDAD CARLOS III DE MADRID  
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*Fecha Solicitud*: 30/05/2013

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