

# **DEPARTAMENTO DE FISICA**

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### **Áreas de conocimiento:**

- FISICA APLICADA

## **ÁREA DE CONOCIMIENTO: FÍSICA APLICADA**

### **Actividades de investigación**

#### **Tesis Doctorales**

- Crecimiento coherente de heteroestructuras semiconductoras de baja dimensionalidad  
*Autores:* SANTALLA, S. N.  
*Director:* CRUZ, R. M. D. L.  
*Centro donde se presentó:* FACULTAD CIENCIAS FÍSICAS  
*Año:* 2008
- Turbulencia inducida por ondas de deriva en plasmas de fusión. Influencia de la difusión colisional en las propiedades no locales y no Markovianas del transporte  
*Autores:* MIER, J. A.  
*Director:* GARCIA, L.  
*Centro donde se presentó:* FACULTAD CIENCIAS FÍSICAS  
*Año:* 2008

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

#### **Artículos en revistas nacionales**

- PARENTE, P.; ORTEGA, Y.; SAVOINI, B.; MONGE, M. A. ; TUCCI, A.; ESPOSITO, L.; SÁNCHEZ-HERENCIA, A.J.  
Comportamiento mecánico de laminados de Al<sub>2</sub>O<sub>3</sub> producidos por slip casting sobre sustratos de Al<sub>2</sub>O<sub>3</sub>-(ZrO<sub>2</sub>)<sub>x</sub>, *Anales de Mecánica de la Fractura*, Vol. 25,1, 2008, ESPAÑA.

#### **Artículos en revistas extranjeras**

- AGULLO, I.; BARBERO, J.F.; DIAZ POLO, J.; FERNANDEZ BORJA, E.; VILLASEÑOR, E. J. S.  
Black hole state counting in loop quantum gravity: A number-theoretical approach, *Physical review letters*, Vol. 100, Núm. 21, 2008, ESTADOS UNIDOS DE AMERICA.
- AVELLA, M.; PRIETO, A.C.; JIMENEZ, J.; RODRIGUEZ, A.; SANGRADOR, J.; RODRIGUEZ, T.; ORTIZ, M.I.; BALLESTEROS, C. I.  
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## Colaboraciones en obras colectivas

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## Ponencias y Comunicaciones a congresos

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## **Actividades de formación y movilidad de personal investigador**

### **Estancias en otros centros**

- SILVIA NOEMI SANTALLA ARRIBAS  
*Título:* Análisis de la disipación producida por un tipo en un lubricante 1+1 dimensional  
*Centro Externo:* SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI (SISSA)  
*País:* ITALIA  
*Duración:* 05/03/2008 a 05/05/2008.