

DEPARTAMENTO DE
INGENIERIA TERMICA Y DE
FLUIDOS

DEPARTAMENTO DE INGENIERIA TERMICA Y DE FLUIDOS

Actividades de investigación

Tesis Doctorales

- Advanced PIV in flows of industrial interest: Errors Characterization
Autor: JIMENEZ, R.
Director/Codirectores: NOGUEIRA, J. I.; LEGRAND M.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2017
- CHARACTERIZING THE MECHANICAL RESPONSE OF EPIDERMAL CELL MONOLAYERS DURING WOUND HEALING
Autor: VALENCIA, L.
Director/Codirectores: JAVIER RODRÍGUEZ-RODRÍGUEZ; JORCANO, J.L.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2017
- Design and dynamic analysis of steam generators of concentrating solar power plants
Autor: GONZÁLEZ-GÓMEZ, P.A.
Director/Codirectores: SANTANA, D.; GOMEZ-HERNANDEZ, J.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2017
- Design and dynamic analysis of steam generators for concentrating solar power plants
Director/Codirectores: SANTANA, D.; GOMEZ, J.
Universidad: Escuela Politécnica Superior de la Universidad Carlos III de Madrid
Año: 2017
- Diffusion-driven growth and dissolution of quasi-static bubbles
Autor: Pablo Peñas-López
Director/Codirectores: JAVIER RODRÍGUEZ-RODRÍGUEZ; PARRALES, M.A.
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2017
- Polymer Exchange Membrane Fuel Cells modeling: From Kinetic models to Water Management
Autor: SANCHEZ-MONREAL, J.
Director/Codirectores: MARCOS VERA
Universidad: UNIVERSIDAD CARLOS III DE MADRID
Año: 2017

Publicaciones y actividades de difusión de resultados

Publicaciones en revistas científicas internacionales

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Ponencias y Comunicaciones a congresos

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Propiedad Industrial/intelectual

- *Inventores*: SANTANA, D.; GOMEZ-HERNANDEZ, J.; BRIONGOS, J.V.; GONZÁLEZ-GÓMEZ, P.A.
Sistema óptico de haz descendente lineal solar
Tipo: PATENTE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Registro: **ES2648148**
Fecha Solicitud: 09/03/2017

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Países: ESPAÑA

- *Inventores:* SANTANA, D.; RODRIGUEZ-SANCHEZ, M.R.; ACOSTA-IBORRA, A.; C. MARUGAN-CRUZ
Receptor de torre de energía solar
Tipo: PATENTE
Titular: UNIVERSIDAD CARLOS III DE MADRID
Número Registro: **ES2648737**
Fecha Solicitud: 29/03/2017
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Países: ESPAÑA

Actividades de formación y movilidad de personal investigador

Estancias en otros centros

- ANTONIO SORIA VERDUGO
Título: Análisis de la cinética química de pirólisis de microalgas
Centro Externo: Departamento de Cinética Química del Deutches Zentrum für Luft und Raumfahrt (DLR)
País: ALEMANIA
Duración: 01/07/2017 a 31/08/2017.
- MARIA FERNANDEZ TORRIJOS
Título: Estudio del control de un intercambiador partículas/sCO₂ para centrales solares con receptor de partículas
Centro Externo: Sandia National Laboratories, Albuquerque.
País: ESTADOS UNIDOS DE AMERICA
Duración: 28/04/2017 a 29/07/2017.