

ACTIVIDADES DE FORMACIÓN DOCTORAL ESPECÍFICA 2018

Título de la actividad	
Seminario: Green Design and Manufacture	
Programa de doctorado que proponen la actividad	
1. Programa de Doctorado en Ingeniería Mecánica	
Persona de contacto	
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Breve descripción de la actividad	
<p>1.- Seminario a cargo del Prof. Nicolas Perry, de la ENSAM (Universidad de Burdeos) sobre "Green Design and Manufacture". Los contenidos del seminario son los siguientes:</p> <p>ECO-DESIGN AND MANUFACTURE</p> <ul style="list-style-type: none"> - Introduction to Eco Design & Sustainable Manufacture - Sustainability, Sustainable Development & Corporate Social Responsibility - Principles of Eco Product Design & Development - Eco Efficiency: Energy Efficiency & Resource Management - Eco Materials & Their Applications in Product-Service Design - Product Life Cycle Design & Management <p>2.- Seminario a cargo del Prof. Ivan Iordanoff, de la ENSAM (Universidad de Burdeos) sobre "GREEN AND SUSTAINABLE MANUFACTURING". Los contenidos del seminario son los siguientes:</p> <p>GREEN AND SUSTAINABLE MANUFACTURING: Tribology for sustainable manufacturing processes</p> <ul style="list-style-type: none"> - Friction coefficient, thermal Blok model and its development, wear models, analysis and limits in the case of manufacturing processes. - Description of the contact with the third body tacking into account material and thermal flux due to interfacial particles. - Physical description of the contact with the help of the discrete element approach. - Proposition of a general method to build the appropriate behavior law for a given manufacturing process. <p>3.- Seminario a cargo del Prof. Nicolas Saintier, de la ENSAM (Universidad de Burdeos) sobre "DURABILITY OF GREEN COMPONENTS". Los contenidos del seminario son los siguientes:</p> <p>DURABILITY OF GREEN COMPONENTS: Fatigue behaviour of Green Components</p> <ul style="list-style-type: none"> - High cycle multiaxial fatigue of metals – Influence of the microstructure as a consequence of the sustainable manufacturing process - Eco-Product Durability Case Studies and problems 	
Calendario	
<p>Eco-Design (Nicolas Perry) 12/11 y 19/11 de 15:00 a 19:00; 13/11 y 20/11 de 9:00 a 14:00</p> <p>Tribology for Sustainable Manufacturing Processes (Ivan Iordanoff) 14/11, 15/11 y 16/11 de 9:00 a 13:00</p> <p>Fatigue behaviour of Green Components (Nicolas Saintier) 21/11 y 22/11, y 23/11 de 9:00 a 13:00</p>	
Lugar de impartición	
Escuela de Ingeniería de Bilbao	