

ACTIVIDADES DE FORMACIÓN DOCTORAL ESPECÍFICA 2017

Título de la actividad	
Seminario: Green Design and Manufacture	
Programa(s) de doctorado que proponen la actividad	
1. Ingeniería Mecánica	
Persona de contacto	
Nombre y apellidos	Alfonso Hernández Frías
Teléfono	94 601 4222
email	a.hernandez@ehu.eus
Breve descripción de la actividad	
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: GREEN DESIGN AND MANUFACTURE - 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 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: GREEN AND SUSTAINABLE MANUFACTURING: Tribology for sustainable manufacturing processes - 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. 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: DURABILITY OF GREEN COMPONENTS - Microstructure evolution and material properties as a consequence of the eco-design and sustainable manufacturing process - Eco-Product Durability Case Studies and Workshop	
Calendario	
Green Design (Nicolas Perry) 16/10 y 17/10, 23/10 de 15:00 a 19:00 Green and Sustainable Manufacturing (Ivan Iordanoff) 18/10 y 19/10, 24/10 de 15:00 a 17:00 Green Design (Nicolas Saintier) 18/10 y 19/10, 24/10 de 17:00 a 19:00	
Lugar de impartición	
Escuela Técnica Superior de Ingeniería de Bilbao	