

Department: Mechanical Engineering

Group Name: *Engineering Data Mining and Numerical Simulations.*

Acronym: *EDMANS*

Group Coordinator: Martínez de Pisón Ascacibar, Fco.Javier

ANEP Area(s): Mechanical, Naval and Aeronautical Engineering; Computer Science and Information Technology

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RESEARCH TEAM

Number of researchers: 5

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
Martínez de Pisón Ascacibar, Fco.Javier	Mechanical Engineering	TP
Antoñanzas Torres, Francisco Javier	Mechanical Engineering	Postdoctoral
Gómez Cristóbal, José Antonio	Mechanical Engineering	Collaborator Doctor
Pernía Espinoza, Alpha Veronica	Mechanical Engineering	TP
Sodupe Ortega, Enrique	Mechanical Engineering	Predoctoral

COLLABORATORS

Nº of collaborators: 0

<u>Collaborators</u>	<u>Department</u>	<u>Professional category</u>
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Lines of research

Data mining.
Non-parametric statistics.
Modelling in solar energy.
Numerical simulation.
Automation, modelling and supervision of processes.
Mechanical equipment design.
Industrial Modelling.

Scientific and technological offer

Automation, modelling and improvement of industrial processes with data mining.
Improvement of industrial processes through finite element analysis.
Information analysis projects with data mining and non-parametric statistics.
Design and optimisation of industrial machinery.
Structural design projects and analysis with FEM.
Analysis of mechanisms with FEM.
Development of control and supervision software for the industry.
Writing up technical reports.

National and international relations

University of León. Manuel Castejón Limas.
University of Zaragoza. Juan Luis Cano.
University of Oviedo. Francisco Ortega Fernández, Antonio Bello García.
Polytechnic University of Valencia. Salvador Capuz Rizo (ETSIIV).
Polytechnic University of Madrid. Isabel Ortiz (ETSIIM).
Polytechnic University of Catalonia. Margarita González (ETSIIB).
Basque Country University. Javier Caamaño Eraso.
R&D team in construction in Finland.
VTT R&D Centre. Dr. Jouko Kouhi.
Process R&D team in Germany.
BFI R&D Centre. Dr. Harald Peters, Dr. Frank Gorgels.
ICT R&D team in France (EISTI). Dr. Nesim Finz.
R&D Team in Steel Profiles. Voest Alpine R&D Centre. Dr. Birgit Eisenkolb.
R&D team in Canada. McGill University in Montreal. Dr. Antonio Ciampi.
Centre for Simulations and Models (CESIMO), University of Los Andes, Mérida, Venezuela, Prof. Dr. Pablo Guillén Rondón.
R&D Team: "PMQ Group", Department of Organisational Engineering, ETSII, Polytechnic University of Madrid, Spain. Prof. Dr. Joaquín Ordieres Meré.
R&D Team: "Parsimonious Modelling (<http://www.hiit.fi/pm>)". Department of information and Computer Science. Helsinki University of Technology, Finland. Prof. Jaakko Hollmén.