

Department: Mechanical Engineering**Group name:** *Engineering Data Mining and Numerical Simulations. EDMANS***Acronym:** EDMANS**Group Coordinator:** Martínez de Pisón Ascacibar, Francisco Javier**ANEP Area/s:** Mechanical, marine and aviation engineering; Computer science and information technology**Telephone:** +34 941299232**E-mail:** fjmartin@unirioja.es**Website:** www.mineriadatos.com**Department Report:** 07/04/2006**RESEARCH TEAM****No. of researchers: 4**

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Martínez de Pisón Ascacibar, Francisco Javier	Mechanical Engineering	Full Professor
Gomez Cristobal, José Antonio	Mechanical Engineering	PhD Collaborator
Pernía Espinoza, Alpha Verónica	Mechanical Engineering	Associate Professor
Urraca Valle, Rubén	Mechanical Engineering	Post-doctoral

COLLABORATORS**No. of collaborators: 0**

<u>Collaborators</u>	<u>Department</u>	<u>Professional Category</u>
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Research areas

Data mining.
Non-parametric statistics.
Modeling of solar energy.
Numerical simulation.
Process automation, modeling and monitoring.
Design of mechanical equipment.
Industrial modeling.

Scientific and technological offer

Automation, modeling and improvement of industrial processes with data mining.
Improvement of industrial processes using finite element analysis.
Information analysis projects with data mining and non-parametric statistics.
Design and optimisation of industrial machinery.
Structural design products and analysis with FEM.
Analysis of mechanisms with FEM.
Development of control and monitoring software for industry.
Development of 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).
University of the Basque Country. Javier Caamaño Eraso.
R&D team under construction in Finland.
VTT R+D centre. Dr. Jouko Kouhi.
R&D team in progress 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. R&D centre in Voest Alpine. Dr. Birgit Eisenkolb.
R&D team in Canada. McGill University in Montreal. Dr. Antonio Ciampi.
Center of Simulation and Models (CESIMO), University of Los Andes, Mérida, Venezuela, Prof. Dr. Pablo Guillén Rondón.
R&D team: "PMQ Group", Department of Organisation Engineering, ETSII, Polytechnic University of Madrid, Spain. Prof. Dr. Joaquín Ordieres Meré.
R&D team: "Parsimonious Modeling (<http://www.hiit.fi/pm>)". Department of Information and Computer Science. Helsinki University of Technology, Finland. Prof. Jaakko Hollmén.