

Department: Mechanical Engineering

Group name: *Simulations, Imaging, and Modelling on Engineering*

Acronym: *SIMonE*

Group Coordinator: Sanz Adán, Félix

ANEP Area/s: Mechanical, marine and aviation engineering

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Department Report: 17/04/2015

RESEARCH TEAM
No. of researchers: 4

<u>Researcher</u>	<u>Department</u>	<u>Professional Category</u>
Sanz Adán, Félix	Mechanical Engineering	Full Professor
Arancón Pérez, David	Mechanical Engineering	Associate
Santamaría Peña, Jacinto	Mechanical Engineering	Associate Professor
Tarancón Andrés, Efrén	Mechanical Engineering	Associate

COLLABORATORS
No. of collaborators: 3

<u>Collaborators</u>	<u>Department</u>	<u>Professional Category</u>
Ferreiro Cabello, Javier	Mechanical Engineering	Associate
Fraile García, Esteban	Mechanical Engineering	Part-time Hire
Martínez Calvo, María Ángeles	Mechanical Engineering	Associate Professor

Research areas

"Green Engineering Design Methodology".
Urban integration of wind and photovoltaic energies.
Remote sensing in the identification and management of resources.
Geomatic applications to building and industrial planning.
Management of the territory through GIS.
Innovation in teaching/learning of Graphic Engineering.

Scientific and technological offer

Topographical measurements with precision equipment.
Advice on the design of products with environmental criteria (Ecodesign).
Energy potential of urban elements.
Design of Machine Elements.
Topography and GIS: delimitation and property management.

National and International Relations

Computer Graphics Group of the UPM: www.gig.etsii.upm.es
Graphic Technology Research Center of the UPV: <http://www.citg.es>
Product Design Laboratory of the UPV-EHU: <http://www.ehu.eus/PDL>
School of Engineering and Architecture of Zaragoza. Department of Architecture.