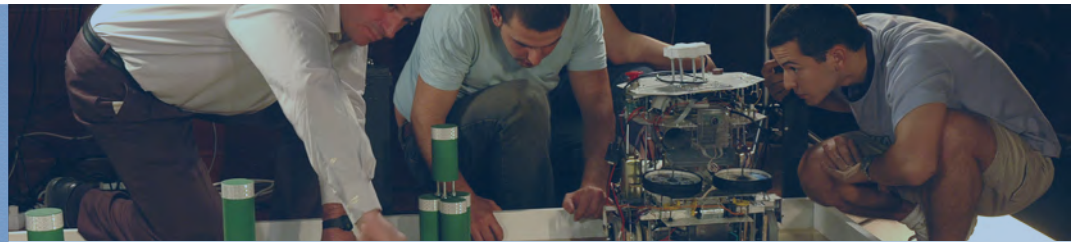




Universidad
de Alcalá



ELECTRONIC ENGINEERING APPLIED TO RENEWABLE ENERGY SYSTEM

Code
702

GEISER

RESEARCH AREA

Technological Sciences

COORDINATOR

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Sánchez

KEY WORDS

Smart grids,
Energy efficiency,
Power converters,
Power quality

AIM

- Companies in the energy sector
- IoT Solution Companies
- Companies in the electricity sector
- Control and power electronics companies

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GEISER

ABOUT US

The GEISER research group (the acronym follows the name of the group in Spanish: Electronic Engineering Applied to Renewable Energy Systems) is an officially recognized group by the University of Alcalá that is composed by 10 faculty members (all of them PhD) and several hired researchers associated to different research projects and university programs.

RESEARCH LINES

- Smart grids and energy efficiency
- Multiagent systems for smart grid control and management
- Protocols and appliances of new communications networks
- Control algorithms for smart grid
- Energy efficiency
- Remote management and configuration
- Electric vehicles
- Internet of Things for renewable energy systems.
- Solar and wind energy grid integration.
- Power converters

OFFERED SERVICES

- Laboratory for power equipment essays
- Power converters control design and implementation
- Design and implementation of photovoltaic solution
- Control algorithms for wind energy converters
- Design of FPGA-DSP based boards

MARKETABLE RESULTS

