TEP-152 Electrical Research and Technology

Coordinator: Dr. Francisco Jurado Melguizo (fjurado [arroba] ujaen [punto] es)

The group is engaged in researching electrical systems and renewable energies. Specifically, it researches and works on the optimal location of power stations based on harnessing agricultural and forestry residues, analysis of distributed electricity generation, design of power generation systems based on microturbines and fuel cells, as well as studying the stability of electrical systems.

The members of the group have authored numerous publications, of which 170 articles in reviews of the Journal Citation Reports of the Science Citation Index in the Energy & Fuels and Engineering, Electrical & Electronic areas. More than 100 publications in international conferences, 60 of them featured in the ISI Proceedings of the ISI Web of Knowledge and 22 book chapters.

Research lines

- Renewable energies
- Quality in the power supply
- Distributed generation
- Biomass
- Energy savings
- Fuel cells
- Microturbines

Related services and products

- Industrial projects in the sphere of Electrical Engineering
- Design of power stations for harnessing biomass
- Lighting
- Specialization courses in the field of electrical engineering, renewable energies and lighting

Spanish website: http://bit.ly/2Csi0xG