

RESEARCH ENGINEER – SMART ENERGY SYSTEMS (SMART GRIDS)

Job Description

CREATE-NET - Center for REsearch And Telecommunication Experimentation for NETworked communities (<http://www.create-net.org>) is seeking a Research Engineer in the area of Smart Energy Systems. Ideal candidates should have a background in ICT (Information & Communication Technologies) plus a good understanding and, if possible, relevant experience in the Energy sector, or vice versa. International experience is considered as an asset. Likewise, the knowledge (or the willingness to learn) the Italian language is a plus.

Job responsibilities include:

- Conducting research/development activities in the field of Smart Energy Systems, with focus on Smart Grids;
- Technical contributions to relevant project initiatives (e.g. CRISALIDE programme);
- Support to fund-raising activities (e.g. FP7 projects development);
- Outreach to relevant industries in order to favor technology transfer and create new business opportunities;
- Collaboration with international partners in the context of the EIT ICT Labs initiative (<http://eit.ictlabs.eu/>);
- Interaction with local partners (e.g. research organizations/SMEs) and the Autonomous Province of Trento.

Technical Skills

Successful candidates should have a good understanding of the technical challenges associated with the emergent area of Smart Energy, plus the ability to translate them into ICT requirements/solutions. The current scope of activities at CREATE-NET includes the following topics:

- Smart Grids (e.g. Virtual Power Plants)
- Micro co-generation (e.g. CHP)
- Energy-efficient buildings
- ICT for Energy Efficiency
- 'Green' ICT

The following requirements should be satisfied for the position under consideration:

- Educational background –at least at the M.Sc. level or equivalent– in Electrical Engineering, Telecommunications, Computer Science or, alternatively, in the Energy sector;
- Experience in the design/implementation of IT architectures for distributed monitoring/control (e.g. SCADA);
- Capability to develop system and interface specifications for Smart Grids systems;

Relevant experience in the energy and utilities industries (electric energy) would be desirable.

In case of interest and for any questions, please contact Dr. Gian Mario Maggio (maggio@create-net.org).