

The Fraunhofer Research Foundation offers a new position at its Center in Chile:

Research Engineer “Solar Thermal Systems” Center for Solar Energy Technology (CSET), Santiago, Chile

Job description:

Fraunhofer is giving you an exciting work environment bridging the areas of applied research and industrial demand. We are focusing on providing innovative and high-quality solutions and advanced research services in order to support Chile’s development towards a solar economy. You will work in a motivated and excellent team of 4-5 researchers plus students in the Angelini Innovation Center on Campus San Joaquin of the Catholic University. You will have contact to our international partners, especially to colleagues in Fraunhofer ISE, Germany.

Position requirements

Education:

Mech. Engineer, Chem. or Process Engineer or applied Physicist, with a MSc in energy or equivalent education and a background in solar irradiation, solar thermal energy systems, electric market and system simulation.

Work experience:

You have a basis in solar systems engineering and system simulation. You have experience in the field of project management, solar system design, modelling of electric market, optimization of systems and cost analysis. You have experience in developing computer code with Python, Matlab, C++ or any other language. Similarly have already worked with industry in contract research, offering R&D services to external customers.

Competences:

Your strengths include the ability work and integrate in a team of researchers and engineers, to take-over individual tasks and complete them autonomously, document your work diligently and with a high level of commitment. Therefore you should have organizational skills, creativity, flexibility and communication skills. You are enthusiastic about applied research, renewable energies and new ideas and are interested in working in an interdisciplinary team. The working languages are Spanish and English.

Responsibilities:

To work in the team “Solar thermal systems” dealing with solar irradiance modelling, solar thermal systems and electric market. There is a strong collaboration and interaction with the other teams in our Center, especially in the topics of thermal energy storage, concentrating solar thermal power and water desalination. You should

- Develop R&D activities supporting the development of advanced solar systems
- Carry out research studies and / or experiments in the framework of research projects.
- Collaborate and manage the preparation of documents for project applications.
- Organization and completion of final and progress reports for research projects.
- Create and strengthen relationships with other Researchers in the industry and / or clients.

- Development of new ideas as a basis of opportunities
- Research in the needs of potential industry clients and creation of innovative solutions

The research efforts of Fraunhofer are geared entirely towards people's needs: health, security, communication, energy and the environment. As a result, the work undertaken by our researchers and developers has a significant impact on people's lives. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

Starting date: May 1, 2018 or later

Apply at:

Fraunhofer Research Foundation

Av. Del Cóndor 844 Piso 3, Ciudad Empresarial, Huechuraba, Santiago

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