

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**

Position requirements

Education:

Mech. Engineer, Chem. or Process Engineer or applied Physicist, with an MSc in energy or equivalent education (desirable) and a background in solar thermal energy systems and solar system simulation and/or thermal storage and material science.

Work experience:

You have a basis in solar systems engineering and/or thermal storage. You have experience in project management, solar system design (TRNSYS, SAM, etc.), general optimization and data analysis. You have experience in developing computer codes with Python, Matlab, C++ or any other language. Similarly you have already worked with industry in contract research, offering R&D services to external customers.

Competences:

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

Responsibilities:

Your responsibilities will be taking part in the “Solar thermal systems” team, dealing with solar irradiance management, solar thermal systems and thermal storage. There is a strong collaboration and interaction with the other teams in our Center. 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

What you can expect from us

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 about 7 researchers 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, and to cooperating research groups in Chile.

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.

Benefits:

- Complementary health insurance (free of charge)
- Administrative day
- Performance based Annual Bonus
- Great work environment

Starting date: September 2019 or later

To apply send your CV and motivation letter before 6st September to:

Fraunhofer Research Foundation

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

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