



Advanced Center
for Electrical and Electronic Engineering



UNIVERSIDAD TÉCNICA
FEDERICO SANTA MARÍA

PhD RESEARCHER POSITION

The Advanced Center for Electrical and Electronic Engineering (AC3E) is offering a full-time PhD Researcher position in any of the following lines of research of the Center: Control and Automation, Renewable Energy and Power Conversion, Robotics, Electrical Systems, Data Analytics and Computational Intelligence, and Biomedical Systems.

The AC3E is part of Universidad Técnica Federico Santa María (USM), one of the most prestigious universities in Chile and Latin America, being ranked #1 in Latin America in Electronic & Electrical Engineering and in Automation & Control, according to the ARWU Shanghai Ranking by Subject 2020. Created in 2014, AC3E groups individual research efforts into multi- and inter- disciplinary teams and focus research towards industry related problems to spark innovation. The mission of AC3E is to contribute to the advancement of knowledge, technological development and competitiveness in technology-based economies by achieving excellence in research, forming advanced human resources, and fostering innovation and technology transfer in areas of societal and industrial impact through the field of electrical and electronics engineering. Additional information about the center and the university can be found at www.ac3e.usm.cl and www.usm.cl

Job description

- Design, organize and conduct highly specialized research in the field of expertise
- Generate scientific reports and publish results in high-impact journals
- Attract competitive external research funds
- Participate in industrial projects in the area of expertise, translating research knowledge into action
- Collaborate with members of the AC3E team
- Provide supervision and guidance to postdocs, students, and junior technicians/engineers

Requirements

- Documentation providing evidence of the possession of a PhD
- Strong publication record demonstrated with publications in WoS and external funding, in one of the research lines of the center
- Experience in the field of innovation and technology transfer is desired, through patents and industrial projects
- Language proficiency: English and Spanish (desired)

Required Documents

- Cover letter stating your motivation to join AC3E.
- Curriculum Vitae, including a list of publications, patents, grants and projects.
- Documentation providing evidence of the possession of a PhD.
- Contact details of at least two references (former supervisor is encouraged), that may be contacted for a reference letter

General Information

- The research position is up to four years (evaluated on a yearly basis)
- Salary according to a competitive standard
- Required documents should be provided in English in a single PDF file
- AC3E is located at USM main campus in Valparaiso, Chile
- The applicants are expected to live and work in Chile
- English proficiency certification is welcome
- AC3E is committed to gender diversity and inclusion
- Applications should be sent to ac3e@usm.cl with subject **AC3E PhD RESEARCHER POSITION**
- Deadline to submit applications is **March 31, 2022**
- Results will be informed in May 2022
- Activities should begin as soon as possible after notification of acceptance
- Additional information can be found at www.ac3e.usm.cl and at www.usm.cl
- Further enquiries can be addressed to ac3e@usm.cl