Job posting

Type of position
☒ scientific graduates
☐ administrative post docs
☐ other

Target group
☒ graduates
☐ post docs
☐ other

Title
Professor, ERA Chair Holder on Emerging Next-Generation Photovoltaics, 5GSOLAR

Institution
ORGANISATION - Tallinn University of Technology

RESEARCH FIELD - Physics › Solid state physics
Technology › Materials technology
Technology › Nanotechnology

RESEARCHER PROFILE - Established Researcher (R3)
Leading Researcher (R4)

APPLICATION DEADLINE - 15/01/2021 23:00 - Europe/Athens

LOCATION - Estonia › Tallinn

TYPE OF CONTRACT - Temporary

JOB STATUS - Full-time

HOURS PER WEEK - 40

OFFER STARTING DATE - 01/06/2021

EU RESEARCH FRAMEWORK PROGRAMME H2020

Position
The ERA CHAIR OF EMERGING NEXT-GENERATION PHOTOVOLTAICS (5GSOLAR) - European Commission (REA), Project 952509-5GSOLAR-H2020-WIDSPREAD-2018-2020/WIDSPREAD-2018-2020-6) - is recruiting ERA Chair Holder in the Department of Materials and Environmental Technology, Tallinn University of Technology in Estonia.

The ERA Chair Holder aims to bring complementary knowledge to the existing core team in the Laboratory of Thin Film Chemical Technologies, and thereby enhance scientific excellence, increase visibility and attractiveness, and to bridge the gap between research and technology transfer.

The ERA Chair Holder will need to be an outstanding knowledge builder and manager in the field of photovoltaics, with a proven record of effective leadership. S/he will have a position as a professor that will allow her/him to formulate a strategic program for the new 5GSOLAR, make appropriate resource allocation
decisions, supervise team members and freely apply for R&D&I funding, in order to increase the research excellence of the institution, and sustainability of the ERA Chair.

Video link for future team -
https://www.youtube.com/watch?v=q-7ROUY6atU

Responsibilities

• Defining the ERA Chair team’s strategic plan to accomplish the project vision;

• Preparation of the ERA Chair EMPOWER, STAND OUT and STABLE strategies, and their implementation plans;

• Daily management of the ERA Chair implementation plan;

• Increasing the visibility and communication level by developing a network of research institutions, universities, industrial partners and government and European Union offices in Estonia and abroad;

• Training and supervising ERA Chair team members;

• Preparation of project applications and participation in Horizon 2020 and Horizon Europe, and other EU and worldwide programmes’ calls;

• Dissemination of ERA Chair project results;

• Supervising PhD students;

• Initiating events for stakeholders;

• Providing the environment to increase the technology readiness level from 3 to 6-7 and boost technology transfer opportunities;

• Establishing a stakeholders’ network to participate in the establishment of a renewable energy demo/briefing center in Estonia after the ERA Chair project.

Requirements

• REQUIRED EDUCATION LEVEL - Physics: PhD or equivalent
  Technology: PhD or equivalent

• REQUIRED LANGUAGES - ENGLISH: Excellent

Specific Requirements

KEY REQUIREMENTS FOR THE ERA CHAIR POSITION
A successful candidate should have:

• A PhD in solid state physics, materials science or an
• Working experience in photovoltaic materials and/or device development;

• Fulfilling the conditions specified in the European Framework for Research Careers for Established researcher at the level of R3 or R4;

• Experience in technology management, managing of research teams or research and development department in industry. Industrial experience will be an advantage;

• Strong management, leadership, and entrepreneurship skills;

• Strategic sense and business awareness;

• Familiarity with research and development in photovoltaics, photovoltaic market and renewable energy strategies;

• Experience in planning research projects;

• Proven record in coordinating EU research and development and/or innovation action projects;

• Knowledge and skills in IPR, a proven record is an advantage;

• Experience in supervising researchers/device developers, experience in supervising PhD students is an advantage;

• Proven record in collaboration with non-academic stakeholders, leading innovation action projects is an advantage;

• Fluent written and oral communication skills in English.

To apply for this position please send the following documents in English by 15 January 2021 (the application deadline) at the latest by using the link:

• a motivation letter;

• documents proving that the candidate holds the required academic degree (a PhD or an equivalent qualification) and has acquired the required education;

• a curriculum vitae;

• a vision of the future position;
• an academic portfolio, including a list of publications, public presentations, popular science communication activities; a list of activities as a public opinion former/ spokesperson; a list of R&D&I projects and IP, including tasks in the projects;

• other documents considered important by the candidate.

Contact
For further information, please contact:
Professor Malle Krunks, Head of the Department of Materials and Environmental Technology malle.krunks@taltech.ee, or ERA-Chair 5GSOLAR Project Manager Alvar Kurrel alvar.kurrel@taltech.ee, or ERA-Chair 5GSOLAR Project Coordinator Professor Ilona Oja Acik ilona.oja@taltech.ee.

• ORGANISATION/COMPANY - Tallinn University of Technology
• DEPARTMENT - Human Resources Office
• ORGANISATION TYPE - Higher Education Institute
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• E-MAIL - konkurss@taltech.ee
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