

Job offers: 2 full-time positions for early stage researchers in Microgrids techno-economics & business models.

The Canary Islands Institute of Technology offers in their facilities in Pozo Izquierdo, Gran Canaria (Spain), two full time positions for three years, combined with the development of PhD studies, in the framework of Smart-BEEJS Human-Centric Energy Districts project <https://smart-beejs.eu>

1. ESR5 -Techno-economic analysis of grid-connected microgrids of PEDs.
2. ESR14 - Bankability of grid-connected High RES penetration microgrids.

The PhD student in the ESR5 position will be enrolled in the Technical University of Vienna , and the student in the ESR14 position will be enrolled in the Nottingham Trent University, for the doctorate studies.

Smart-BEEJS: “Smart Value Generation by Building Efficiency and Energy Justice for Sustainable Living”, is funded under Horizon2020, Marie Skłodowska-Curie Actions, Innovative Training Networks.

Desirable skills: background in renewable energies at bachelor or master degree. Knowledge on business models will be considered. Teamwork, self-organisation and communication skills.

Jobs description:

Position 1: ESR5 -Techno-economic analysis of Grid-Connected Microgrids of PEDs.

Objectives: To generate a methodology for analysing the feasibility of microgrid projects, justifying incentives and public support schemes.

The expected results are: a) the generation of a validated methodology based on techno-economic analysis of grid-connected microgrids of Positive Energy Districts, b) guidance and assessment of different solutions regarding affordability for different income groups and c) cooperation with other Smart BEEJS ESR (early stage researcher) regarding pathway development and overall system integration with heating/cooling and mobility.

Planned secondments: Technical University of Vienna (TUW), 15% worktime for Techno-economic analysis; Wageningen University and Research (WUR), 15% worktime for Agent/Stakeholder integration Fellow.

Position 2: ESR14 - Bankability of grid-connected high RES penetration microgrids.

Objectives: Provide different versions of business models based on microgrids that evolve over time based on the evolution of consumer behaviour, social restrictions and maturity of the system’s technical infrastructure, cost efficiencies of the energy market.

The expected results are: a) to provide a pathway for valuable propositions for energy providers and consumers, considering consumer’s behaviour and needs in changing established infrastructure, b) to report opportunities, as desirable business models driven from PED microgrids that integrate RE technologies and maximise bankability.

Planned secondments: National Energy Action Charity (NEA), 20% worktime for validating proposed pathways; Leibniz Institute for Economic Research (RWI), 10% worktime for comparing physical isolated systems with open ones.

Eligibility criteria: Applicants need to fully respect all eligibility criteria (to be demonstrated):

- Early-stage researchers (ESR) are those who are, at the time of recruitment by the host organisation, in the first four years (full-time equivalent) of their research careers and not have a doctoral degree.
- International mobility: applicants must not have resided or carried out their main activity (e.g. work, studies) in Spain "for more than 12 months in the 3 years immediately before their recruitment date".
- English language: applicants must demonstrate their ability to understand and express themselves in both written and spoken English. The position involves international travelling.

Benefits: Successful applicants will be appointed to the base of the salary rates that are defined by the Marie Skłodowska-Curie Actions, Innovative Training Networks.

- Country: Spain
- Living allowance: 3,120 €/month before employer and statutory deductions.
- Mobility allowance: 600 €/month before taxes.
- Family allowance¹: 500 €/month before taxes.

How to apply?

Interested applicant must submit a motivation letter, CV and 1 to 3 pages research proposal on the topic selected ESR5 or ESR14 to rrhh@itccanarias.org. **The applications will be checked in a weekly basis until the position is covered.** The submission period ends on 15th October 2019, at 15:00 hours (Canary Islands' time).

Check the job information at www.itccanarias.org

¹ A family allowance will be paid in case the researcher has family obligations. In this context, family is defined as persons linked to the researcher: (i) by marriage, (ii) by a relationship with equivalent status to a marriage recognised by the legislation of the country or region where this relationship was formalised, (iii) as dependent children who are actually being maintained by the researcher. This allowance amounts to.