



Dreve du Pressoir, 38 1190 Forest (Brussels) Belgium

Call for Expression of Interest – Consultant

The European Cool Roofs Council is looking for a part-time consultant to support the work of the Horizon 2020 project RECO2ST.

Job description

Title of post: Research Associate in Software Tools for Energy Retrofit (RECO2ST project)

FT or % P/T: Part Time

Permanent/Temporary: Temporary (12 months)

Principal location of work: Technical University of Crete, Chania, Crete, Greece

Immediate line manager: A/Professor Dionysia Kolokotsa

Qualifications required for post:

- A good BSc/BA degree in physics, building energy, or related disciplines
- A higher degree (MSc/MPhil/PhD) in a related discipline or equivalent experience

Experience required for post:

Essential: Experience (post BSc/BA)

Experience of undertaking monitoring and data analysis for buildings

Experience of using dynamic thermal simulation packages such as Energy Plus, ESP-r, Design Builder etc

Experience with GIS software, databases (MySQL, PostgreSQL, etc), web service (SOAP, REST, etc.), CFD software (Fluent, EnviMet).

Advanced knowledge of housing energy use and carbon emission reductions' calculation

Experience of undertaking analysis of big datasets

Good written and verbal communication skills

Desirable: Good publications record

Proven ability to work effectively within a multi-disciplinary team environment

Experience in Programming Language such as Python, Java, JavaScript, etc.

Knowledge of software web based platforms for energy tools and calculations.

Overall purpose of post:

To help with the implementation of the HORIZON funded project

Main duties:

- Work closely with a/Professor, Principal Investigator Dionysia Kolokotsa (PI) of the HORIZON project.
- Provide assistance in the developing and testing of the Refurbishment Assessment Tool (RAT)
- Provide assistance in the developing and verification of the climate change and urban environment impact on energy savings with CFD models
- Monitoring and evaluation of the cool materials in RECO2ST case studies
- Assist with the preparation of papers for publication and make presentations at meetings and/or conferences
- Assist with the preparation of project deliverables
- Attend conferences/workshops and present papers as required
- Report on a regular basis to Professor Dionysia Kolokotsa
- Assist other researchers in the Research Group (e.g. student, visitors) as required
- To contribute to the research culture of the European Cool Roofs Council
- Any other duties given by the Head of the Research Group commensurate with the level and responsibility of this post.

Closing date: 31 December 2019

Interested experts are invited to apply by submitting the following application documents:

- Curriculum Vitae (CV).
- Letter of Motivation outlining how your experience, skills and qualifications fit with the aforementioned activities.

By e-mail to ecrc@coolroofcouncil.eu by Tuesday 31 December 2019 the latest with reference number (ECRC-RECOST-1). E-mails should not exceed 5MB.