Post-doctoral position

Ref.: 951

Date of announcement: September 10, 2015          Closing Date: October 31, 2015

The Institute of Applied and Computational Mathematics (IACM) of the Foundation for Research and Technology-Hellas (FORTH), in the frame of the H2020 project URBANFLUXES (no. 637519), funded under H2020-EO-1-2014 “New ideas for Earth-relevant space applications”, is seeking to recruit one (1) Post-doctoral Researcher.

Abstract

Job Description

URBANFLUXES (http://urbanfluxes.eu) will investigate the potential of Earth Observation (EO) to retrieve the anthropogenic heat flux, as a key component in the urban energy budget and by developing a method capable of deriving it from space. The postdoctoral researcher will collaborate with the URBANFLUXES consortium and will focus on combining of EO and urban climate methodologies to derive urban energy budget fluxes from Copernicus Sentinels synergistic observations for the cities of Heraklion, London and Basel. In the context of this project, the main tasks assigned to the candidate are:

REQUIRED QUALIFICATIONS

- A Ph.D. from an acknowledged institute in Greece or internationally in fields that are related to EO or urban climate (in specific cases, applications of candidates close to finishing their PhD degree will be considered.)
- Publications in scientific journals/presentations in conferences related to urban climate, urban energy budget, urban surface parameters retrieval from satellite observations and spatial analysis methodologies.
• Programming skills with experience in satellite data analysis.
• Very good knowledge of standard remote sensing and GIS software.
• Experience in project management and dissemination.
• Excellent command in spoken and written English.
• Good interpersonal and communication skills.
• Ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.
• Good analytical, organisational and reporting skills.

DESIRED ADDITIONAL QUALIFICATIONS
• Experience (participation in projects, publications) with respect to the analysis of satellite data for retrieval of urban environmental parameters, inversion modelling and statistical analysis.
• Experience (participation in projects, publications) with respect of the use of multi-spectral, multi-temporal and multi-scale satellite data fusion
• Programming experience in Matlab, Python, or R, for satellite data analysis and for combining satellite observations with in-situ measurements.

Type of employment: Fixed-term employment, 24 months
Extent: Full time
Location: IACM-FORTH, Heraklion, Crete, GREECE
Start Date: 1st of January 2016
Salary: Competitive and commensurate with qualifications

Application Submission
All applicants should submit:
• A letter of expression of interest.
• A detailed CV, providing a description of the tasks they were involved in all previous positions they were employed and particularly their experience in research or applied projects related to EO and urban climate.
• Scanned copies of academic titles.
• The names and contact details of three persons with whom they have worked in the past or are familiar with their research.

Closing date and time for applications is October 31, 2015 at 13:00 Greek time (GMT+2). Applications should be sent by e-mail to the IACM Secretariat Mrs. Maria Papadaki at mariapap@iacm.forth.gr with e-mail Subject “Application for the position of postdoctoral researcher in the project URBANFLUXES”.

Any application received after the deadline will not be considered for the selection

Contact person
For more information and questions regarding the URBANFLUXES project, the application and selection procedure please free to contact Dr. Nektarios Chrysoulakis (+30-2810-391762, zedd2@iacm.forth.gr).

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