

AIT Austrian Institute of Technology, the Austrian research institute with European format which focuses on the key infrastructure issues of the future, is looking to strengthen its team, in the Energy Department, with the immediate appointment of a

Marie Curie / Experienced Researcher (f/m) on Integrated Systems for (spatial explicit) Urban Energy Simulations

Within the CI-ENERGY “Smart cities with sustainable energy systems” project, an EU-funded Marie Curie Initial Training Network, the position of an Experienced Researcher on “Integrated System for Urban Energy Simulations” is foreseen. The CI-ENERGY Marie Curie Initial Training Network (ITN) aims to train young scientists to develop urban decision making and operational optimization software tools to minimize non-renewable energy use in cities. The research fellows will apply their results in two case study cities (Geneva and Vienna), which were chosen for their very ambitious sustainability goals.

Work description:

- Development of an information system to manage and exchange semantically-enriched multi-resolution 3D urban data for energy planning
- Design of a software architecture to integrate models and tools from different research areas to allow complex urban system simulations (focussing on the energy side)
- Development of interfaces to new modeling components and tools
- Supervision of the software integration process, ensuring a harmonized data structure and modeling interfaces
- Support in evaluating the usability of the user interface(s) and the provided functions and features

Qualifications:

- Doctoral Degree or at least four years of full-time equivalent research experience which can be within a number of areas: (energy) engineering, resource management, (geo-)informatics, urban- and energy planning, systems science
- Background knowledge on spatial databases, geographic information systems, urban systems is appreciated
- Theoretical knowledge and practical experience in modeling and simulation
- Fluent oral and written communication skills in English

Salary and framework conditions: The employment in this position should begin no later than March 2014 (an earlier start would be welcomed) for the duration of 24 months including secondments to partner institutions. We offer highly competitive monthly living and mobility allowances depending on family status in accordance to the Marie Curie, People Programme, Initial Training Networks (Call identifier: FP7-PEOPLE-2013-ITN, Implementation mode: Multi-ITN) as well as full social benefits. As a general rule, applicants should be nationals of a EU member, associate or candidate state, except Austria. The applicant should not have resided or carried out her/his main activity in Austria for more than 12 months in the 3 years immediately prior to her/his appointment.

Work Place: Vienna

We are pleased to invite interested persons who wish to contribute their knowledge and their ideas to the field of applied research. Please attach meaningful application documents, including certificates and a photo.

Ms. Maria Leonhard-Maurer, MSc

Head of Human Resources

2444 Seibersdorf

Tel.: +43(0) 50550 – 2032

E-Mail: maria.leonhard-maurer@ait.ac.at

AIT Austrian Institute of Technology GmbH

Donau-City-Straße 1 | 1220 Wien, Austria | T +43(0) 50550-0 | F +43(0) 50550-2201

office@ait.ac.at | www.ait.ac.at