

Trainee Position	City modelling : a model driven approach.
Job description	<p>The objective of the Study is to bring different tools together to enable city modelling in an efficient way.</p> <p>A city is considered here as a complex system made of various entities. Each entity will be described using a specific interface (Modev). Once described, the information retrieved will be used to generate, in an automated way, a specific python model which entails a class linked to the object and related communication methods.</p> <p>An event driven scheduler (SDEC) based on the Erlang programming language will be used to setup the model at the city level.</p> <p>The goal of the trainee is to define in MODEV models based on existing specifications. This could require some work on MODEV to generate required element so that the SDEC coupling become easier.</p> <p>At the end of the traineeship, the city model setup will be validated and evaluated in terms of efficiency and cpu time. It will be applied in the frame of ongoing studies.</p>
Qualification	<p>Scientific computing interest and programming skills on java (+XML) and python are required.</p> <p>Most of the development will be made in python.</p> <p>Persons naturally curious with good communication skills are expected (English required)</p> <p>If qualified, handicapped applicants will be preferred</p>
Salary	trainee compensation in agreement with German law
Institute/Department	European Institute for Energy Research (EIFER) Eifer is located in Karlsruhe (Germany). In the frame of the trainee position, travels to the EDF R&D center of Saclay could occur.
Contract duration	6 months
Starting date	As soon as possible
Application until	10.02.2017
Contact person for technical issues	David Blin (project manager), European Institute for Energy Research (EIFER), email: david.blin@eifer.org, phone: +49 721 6105 1484 Dr. Alain Dimier, European Institute for Energy Research (EIFER), email: alain.dimier@eifer.org, phone: +49 721 6105 1493
Application	Please send your application via email using the reference "HDB2" directly to the technical contact person(s).

