COLLEGE OF ENGINEERING, MATHEMATICS AND PHYSICAL SCIENCES

Harrison Building
North Park Road
Exeter
EX4 4QF

http://emps.exeter.ac.uk/

POST DOCTORAL FELLOWSHIP - SOFTWARE PROGRAMMER (EPSRC)

Salary: £32k per annum
Location: University of Exeter, UK
Duration: 24 months (possible employment with Simpleware after end of project)

A 24-month Post Doctoral position is available at the College of Engineering, Mathematics and Physical Sciences (University of Exeter) for a software programmer in a Research and Development role to develop image processing tools under the auspices of an EPSRC grant. This is a joint project with TU Delft and De Montfort University looking into **numerical prediction of moisture damage in asphalt**. The work at Exeter will be in close collaboration with Simpleware (www.simpleware.com).

Simpleware Ltd. is a highly innovative, UK based, software and services company. We develop and market world-leading mesh generation software which converts 3D scan data (e.g. MRI, CT, MicroCT, etc.) into high-quality computer models used for CAD, Finite Element simulation, and Rapid Prototyping. Our Software is being used by engineers in a variety of fields, including: Biomedical Engineering, Materials Research, Industrial Reverse Engineering, Palaeontology, Forensics, and Biomimicry. Our customers range from international blue chip corporations to research institutions and universities world-wide.

Knowledge, experience, skills, and competencies

- PhD in Computer Science or Engineering (in exceptional circumstances appropriate candidate without a PhD may be employed)
- Good knowledge of C++ is required
- Good English
- Knowledge of Linux would be a plus
- Knowledge of VTK, ITK, wxWidgets, Visual C++ would be very appreciated (ideal candidate)
- Self-motivated and able to work on own initiative whilst being a team player
- Ability to work in a flexible environment

Benefits

The University of Exeter offers a wide range of excellent facilities and benefits.
Our campuses provide an attractive environment with a range of excellent facilities you can benefit from.
The University offers generous holiday allowances, together with flexible working and a final salary pension scheme.

Application

For further information and to apply, please send a CV and covering letter by 30 September 2011 quoting "EPSRC" to: philippe.g.young@exeter.ac.uk