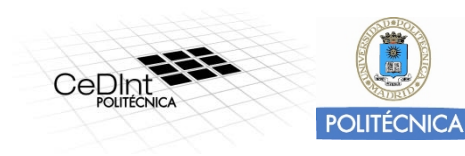


VIRTUAL REALITY LAB

CeDInt-UPM

Pre-doctoral research fellowship



CeDInt-UPM

Center for Smart Environments and Energy Efficiency

TECHNICAL UNIVERSITY OF MADRID

January 2012

Pre-doctoral research fellowship at the VR Lab in CeDInt-UPM

We are looking for Computer Science or Telecommunication Engineers for the vacancy of pre-doctoral researcher at CeDInt-UPM VR Lab.

Candidates interested in research in Virtual and Augmented Reality related lines and applications and with aptitudes for technical coordination of R&D projects will be positively evaluated. English speaking and writing skills are also a requirement.

Interested candidates are encouraged to provide evidence on their knowledge / experience in one or several of the following areas:

- 1) Advanced Modeling: Mesh simplification, modeling using poligons, BSplines, NURBs,... using both graphical interfaces (3Ds, Maya, Rhino, Blender...) and code (algorithms, Phython, Mel,...).
- 2) Advanced materials (Shaders: GLSL, FX, HLSL, etc.), texturing and illumination (Lightmaps, NormalMaps, etc.).
- 3) Graphic Hardware: GPUs programming (incl. CUDA, OpenCL), Clusters (network, synchronization, etc.).
- 5) Languages and Tools: C++, MS Visual Studio, SVN, SourceSafe, etc.
- 6) Graphical Libraries: Open GL, DirectX, QT, OpenCV, VTK, etc.
- 7) Stereoscopic techniques: theory and applications
- 8) Software (3D Engines): Virtools, Unity, Ogre3D,...
- 9) Tracking: VRPN

Applicants are invited to send a short letter stating their motivation together with their curriculum vitae and any additional supporting qualifications in English to: rrhh@cedint.upm.es

Working place: CeDInt-UPM, Campus de Montegancedo, 28223-Pozuelo de Alarcón, Madrid (<http://www.cedint.upm.es/en/contact-information-directions>).

Starting date: immediately



Working time: 40-hour working week

Pay and conditions: Salary and specific conditions to be agreed according to the candidate profile and experience

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