JOB OFFER

SCIENTIFIC PROGRAMING ENGINEER AT A RESEARCH GROUP ON COMPUTATIONAL MECHANICS
(Barcelona, Spain)

DEGREE REQUIREMENTS:
1) Either a Master or Doctorate degree in computer science, with good skills for scientific computing programing in mechanical or civil engineering fields, or,
2) Alternatively, a Master or Doctorate degree in Computational Mechanics with high skills in computer science issues.

TASKS TO DEVELOP:
1) Software engineering:
   - Effective support to the members of the group to improve the efficiency of the developed computer codes, typically on computational mechanics issues and written in Matlab, by their optimal translation to high level and efficient scientific programming languages (i.e. C, C++, Fortran 90, Python etc.) and, also, by resorting to parallel computing and vectorization tools.
2) Computing resources management:
   - Help in managing the existing computing equipment (mid-size cluster for parallel computing)
   - Help the group in obtaining and managing external additional high-power computational resources.

OFFERED:
- Joining a consolidated research group at the International Center for Numerical Methods in Engineering (CIMNE, http://www.cimne.com), presently developing a long-term research project, supported by the European Research Council, on Computational Mechanics issues (see the project's web page at http://www.cimne.com/compdesmat/)
- Excellent work environment and immediate incorporation
- Full-time contract with remuneration according to the offered skills

Interested candidates please send CV, by January 22nd 2016, to
olloberas@cimne.upc.edu