



UNIVERSITY OF NOVA GORICA

Vipavska cesta 13, 5000 Nova Gorica, Slovenia

The University of Nova Gorica is seeking to fill a post of :

Assistant – doctoral student in the field of Modeling of Materials and Processes

The Laboratory for Multiphase Processes at University of Nova Gorica (see <http://www.ung.si/en/>) is seeking an Assistant - doctoral student to work on projects funded by Slovenian Grant Agency and Štore Steel Company on developing multiscale modeling of materials and processes, based on meshless methods. Doctoral student will work with other members of the research team (see publications of the team http://sabotin.ung.si/~sarler/sarler_papers/) on:

- 1) Develop, code and test novel models,
- 2) Further develop meshless methods,
- 3) Apply this models in industrial simulation systems, i.e. continuous casting of steel, direct chill casting of aluminum alloys, hot rolling, etc.

It is expected that the applicant:

- has at least a university degree, or a master (2nd level) degree from the field of Physics, Mathematics, Mechanical Engineering, Materials Engineering.
- enrolls at the doctoral program (third level) at the Graduate School of the University of Nova Gorica in academic year 2013/2014

The candidates are expected to perform also related teaching activities.

Required Skills:

Solid numerical methods and computer coding experience; knowledge of thermodynamics, solid and fluid mechanics; good communication and presentation skills.

Desired Skills:

Experience in coding with FORTRAN or C++ and MATLAB.

The position will start on September 1, 2013. Annual salary will be competitively offered based on the level and experience of the applicant, and will include full employee benefits. Appointment will be made for one year, with possibility to be prolonged after positive evaluation.

Location:

The position is on campus of University of Nova Gorica in Ajdovščina, Slovenia (see <http://en.wikipedia.org/wiki/Ajdovščina>). Ajdovščina has a beautiful landscape and is situated about an hour drive from capital of Slovenia, Ljubljana, few minutes drive from world wonder of Postojna cave (see http://www.postojnska-jama.eu/en/?setLocale=en_US), and two hours drive from Venice (see <http://en.wikipedia.org/wiki/Venice>).

The application should include:

- cover letter,
- CV including contact details,
- list of relevant publications,
- two references, as recommendations will be sought.

The deadline for the receipt of applications is **September 15, 2013**.

Interested applicants please submit electronic application to Professor Bozidar Sarler (bozidar.sarler@ung.si) or to Tea Stibilj Nemec (tea.stibilj.nemec@ung.si), Univerza v Novi Gorici, Vipavska cesta 13, 5000 Nova Gorica, Slovenia.