



Three teaching/research assistants
in
applied mechanics and mathematics

<http://uclouvain.be/en/research-institutes/immc/mema>

Three teaching/research assistants will be hired by UCL for the Institute of Mechanics, Materials and Civil Engineering (<http://uclouvain.be/en/research-institutes/immc>) and allocated in priority to the applied mechanics and mathematics research unit (MEMA, <http://uclouvain.be/en/research-institutes/immc/mema>).

The successful candidates will devote up to half of their working time to teaching duties (related to various aspects of mechanic, applied mathematics or numerical methods) and the remainder to doctoral research. The subject of the latter will be determined freely under the condition that at least one of MEMA's faculty members is willing to (co-)supervise this research. Having a good command of English and French is essential. The applications shall be submitted through UCL's website from 28 April until 22 May. The starting date will coincide with the beginning of the 2017-2018 academic year. It will be a contract of 2 years, which can be renewed twice.

We are encouraging applicants to submit a research proposal related to **advanced computational methods in geophysical and environmental fluid mechanics**, preferably aimed at developing and using our unstructured-mesh, discontinuous Galerkin model (SLIM, www.climate.be/slim_flyer). The research topics of interest include wetting-drying methods, non-hydrostatic modelling, manycore processor computing, etc. In addition, some of the MSc thesis subjects listed at the address

<http://perso.uclouvain.be/eric.deleersnijder/TFEs.pdf>

may be upgraded to a PhD research topic.

Prospective candidates are encouraged to get in touch with the undersigned at their earliest convenience so as to start outlining a relevant PhD research proposal.

Eric Deleersnijder

www.ericd.be

Jean-François Remacle

<http://perso.uclouvain.be/jean-francois.remacle/>

This informal job advertisement is available on the web at the following address

http://perso.uclouvain.be/eric.deleersnijder/SLIM_PhD_2017.pdf