

FACULTY OF TECHNOLOGY

MPhil/PhD Studentship Opportunities

The Faculty of Technology invite applications for both EPSRC Doctoral Training Grant Studentships and Graduate School Scholarships to start in October 2009.

Nonlinear modelling of sandbank dynamics

Prof Dominic Reeve, *School of Engineering*

Dr Vanesa Magar, *School of Engineering*

The project, based in the Centre for Coastal Dynamics and Engineering (C-CoDE), focuses on nonlinear dynamics of sandbanks using data-driven techniques and nonlinear shallow water models for seafloor evolution in coastal zones.

The candidate will benefit from the supervision from members of the Centre who include leading researchers in this field. The Centre provides an ideal environment for new researchers to develop the necessary interdisciplinary and transferable skills for a career in academia or industry.

The appointee can expect to contribute to informal collaboration with researchers at the UK Meteorological Office and the University of Exeter, as well as liaising with the Harbour Master of the Port of Great Yarmouth, with whom we have strong research and consultancy links.

For an informal discussion on the project please contact: Dr Vanesa Magar, vanesa.magar@plymouth.ac.uk or Prof Dominic Reeve, dominic.reeve@plymouth.ac.uk.

Candidates should have a first or upper second class honours degree in Engineering, Mathematics, Physics, Geosciences or Environmental Sciences. Experience in data analysis techniques, analytical modelling and computational modelling would be desirable, in particular in a Higher Computing Language such as Fortran or C, and in Matlab or Maple. Applicants with a relevant MSc or MRes would be particularly welcome.

The EPSRC Doctoral Training Grant Studentships will be full-time for three years at the standard EPSRC rate. The successful candidate will receive a stipend of approximately £13,290 per annum and tuition fees for a Home/EU student (approximately £3,390). Applications are invited from UK citizens and EU citizens with an appropriate qualification who have been resident or studies in the UK for three years.

Both Home/EU and International students are eligible for the Graduate School Scholarships, with the expectation that International students secure funds to meet the difference between Home/EU and Overseas tuition fees (£6,600 in 2009/2010) for the duration of the programme.

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Applicants should send the following documentation to Carole Watson, Faculty of Technology Research Administrator, Room 007, Smeaton Building, Plymouth PL4 8AA or email to c.watson@plymouth.ac.uk:

- Two references in envelopes signed across their seals
- Copies of transcripts and certificates
- If English is not your first language, evidence that you meet our English Language requirements (www.plymouth.ac.uk/elr)
- CV
- Ethnic and Disability Monitoring Form

For an applications form and full details on how to apply, please visit www.plymouth.ac.uk/pghowtoapply.

CLOSING DATE: 12 NOON, WEDNESDAY 22ND APRIL 2009