

Doctoral Student Position Announcement

The **Institute of Marine Sciences at the University Szczecin**, Poland, is searching for a dynamic and highly motivated young research to fill a **one PhD position** in the general field of marine geosciences by November 1, 2009.

The successful candidate will develop his/her dissertation in the frame of the research project **COPAF - COASTLINE CHANGES OF THE SOUTHERN BALTIC SEA - PAST AND FUTURE PROJECTION**.

The research program targets (1) Paleogeographic scenarios (maps, digital data) of the development of the southern Baltic Sea coast due to the interplay of neotectonics, eustatic change and coastal morphogenesis (and anthropogenic activities) for the last 1000 years on a regional scale for the Polish coastline and on a local scale for selected areas in western Poland and (2) projections to the future (maps, digital data) as scenarios of coastline change based on paleo-geographic trend analysis and results of climate modeling. These targets require the development and application of models that mirror the interrelation of coastal change and its driving forces. As the latter ones are distinguished here the vertical crustal movement, climatically driven sea level change, meteorological/hydrographical forces - and reactions of the society living in the coastal areas. The cause and effect relation will be described by different types of models, from statistical approaches through mechanistic models to GIS methods.

Requirements:

- Diplom/Masters degree in geosciences;
- Strong interest in marine geosciences and geoinformatics / modeling;
- Prior experience in GIS, geostatistics, and computer application;
- Ability for team work and interdisciplinary research;
- very good skills in English language;

Please, contact for more information Prof. Dr. Jan Harff (jan.harff@univ.szczecin.pl). The position is limited to a term of up to 3 years and is funded by the Polish Ministry of Science and Higher Education. The monthly stipend amounts to 2,000 PLN. Free accomodation in a one room apartment of a student dormitory will be offered by the University of Szczecin.

Your applications should include a CV, publications if applicable, a statement describing research interests and experiences as well as your motivation to apply for the position, Please, add names and addresses for up to three referees.

Please, send your application before **September 30, 2009** electronically to Prof. Dr. Jan Harff (jan.harff@univ.szczecin.pl) with cc to Prof. Dr. Kazimierz Furmańczyk (kazimierz@univ.szczecin.pl) or by mail to

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