Postdoctoral position in Scatterometry

The Mediterranean Centre for Marine and Environmental Research (CMIMA), which belongs to the Spanish Research Council (CSIC, http://www.cmima.csic.es), offers a postdoctoral position in satellite radar remote sensing. The selected candidate will join a multidisciplinary team, with experts in engineering, oceanography, remote sensing, and data assimilation. In particular, the team has vast experience in satellite microwave remote sensing, including scatterometry, altimetry, and L-band radiometry (http://www.smos-bec.icm.csic.es).

The selected candidate will work on the development of sea surface wind field products derived from satellite radar (scatterometer) measurements and required in a wide variety of atmospheric, oceanographic, and climate applications. In particular, the research will focus on developing and implementing new techniques based on statistical and functional analysis for the design of new quality control and wind retrieval algorithms. The goal of the project is to improve scatterometer-derived wind products. New prospects for both high-resolution and coastal wind processing will be further explored. This helps in coastal and oceanographic applications, e.g., wind farms, marine traffic, off-shore activities, fishery, etc.

We are looking for a postdoc with a solid background in Physics, Mathematics and Remote Sensing, and strong programming skills (Fortran and/or C required). A solid background on statistical and non-linear methods is desirable. The candidate's ability and willingness to work in project mode, within a multidisciplinary group, will be taken into account, as well as his/her communication skills.

Interested candidates should send a motivation letter, a CV, and the names and contact information of two references to Marcos Portabella, CMIMA-CSIC, Barcelona, portabella@cmima.csic.es, no later than 10 January 2011. The contract will last 24 months, starting in February-March 2011, with a gross salary of about 32.000 euro/year.