



Job Description

Lecturer / Associate Professor in Marine Geospatial Science

Grade: 8 / 9

Post reference: 1877250

Department: Civil, Environmental & Geomatic Engineering

Location: Bloomsbury campus, London

Reports to:

Dr Jan Boehm (Section Head, Geomatics)
Professor Jose Torero (Head of Department)

Context

We seek to appoint an outstanding and inspirational Lecturer / Associate Professor in Marine Geospatial Science. The post will be based in the Geomatics section in UCL's Department of Civil, Environmental and Geomatic Engineering (CEGE).

The department is a multidisciplinary department with a long tradition of excellence in teaching and research. We currently hold the largest EPSRC research portfolio in civil engineering, with research projects and centres linking with industry leaders and reflecting a broad multidisciplinary view of the engineering world.

The postholder will work closely with colleagues in the Geomatics section with world-leading expertise in Global Navigation Satellite Systems and Positioning, Spatio-Temporal Data Analytics, Photogrammetry and Laser Scanning, GeoBIM, 3D GIS, and Surveying. The appointee will enhance our research capacity by bringing expert knowledge in Hydrographic survey and Marine applications. In collaboration and with support from colleagues the postholder will develop, largely through external funding, a research team in their specialist area, and further develop our collaborative partnership with the Port of London Authority (PLA) to deliver world-class research and teaching in Hydrographic Surveying.

The Geomatics section currently has 12 academic staff and around 30 PhD students. The section is responsible for an innovative MSc in Geospatial Sciences with specialist routes in GIS & Computing, BIM & Surveying, and Hydrographic Surveying. This MSc is built from our long-established Surveying course which started over 70 years ago. The appointment will contribute to teaching in

this MSc course, and is expected to take leadership of the hydrographic surveying route.

The hydrographic programme has accreditation for FIG/IHO/ICA S-5A Standards of Competence for Category "A" Hydrographic Surveyors - the highest level of international recognition available. The programme is also accredited by RICS. The programme is run as a partnership with the PLA, including the use of their fully equipped survey vessels and tuition from their experienced surveyors. The Hydrographic Service of the PLA is one of the most innovative of such organisations in the world, with a fleet of advanced survey vessels and practising professional staff. The programme equips students with the skills to commence their careers in the rapidly evolving and exciting sector. As well as a centre for academic excellence, London is home to Britain's largest port, one of the largest in Europe, and a range of significant infrastructure projects.

The Blue Economy offers huge potential globally for the sustainable use of ocean resources as well as societal developments and ecosystem improvements. The postholder will utilise these opportunities where underlying geospatial data and positioning capability is key. The ideal candidates will have knowledge and research interest in subjects intersecting marine and geospatial sciences with a strong publication record. The candidates will also have sufficient marine expertise to contribute to teaching on the hydrographic surveying route.

We encourage those interested in the vacancy to get in contact with us for any clarifications or to discuss their application. Informal enquiries should be addressed to Dr Jan Boehm (j.boehm@ucl.ac.uk)