



**NATO MARITIME
GEOMETOC
COE**

CURRICULUM VITAE

Name: RUI PEDRO XAVIER GUERREIRO

Nationality: Portuguese

Date of birth: 15th January 1981

Position: Geospatial Staff Officer

Rank: Lieutenant Portuguese Navy (OF-2)

PROFESSIONAL EXPERIENCE

- 2006-2007 - Cartographer at the Hydrography Division of the Portuguese Hydrographic Institute (IHPT).
- 2007-2011 - Responsible for Planning, Updates and Quality Control of Nautical Paper Charts Folio at the Hydrography Division of the IHPT.
- 2012-2018 - Cartographer and responsible for the drafts concerning Notices to Mariners with impact in Nautical Charts updates at the Hydrography Division of the IHPT.
- 2015-2018 - Deputy of the Head of the IHPT Hydrography Division for International Affairs and liaison with the International Hydrographic Organization (IHO).
- 2018-2020 - Head of the Geospatial Information Section at the Portuguese Navy Geospatial, Meteorological and Oceanographic Centre (CGEOMETOC).

Since 2014 he has developed a particular interest in exploiting Remote Sensing techniques and Open Source data for maritime applications. As a result, he authored papers on the use of algorithms for the derivation of bathymetry from satellite-based multispectral imagery and their application, namely in assessing and detecting dangers to navigation and supporting amphibious and naval operations. More recently he has been focusing on Spatial Data Infrastructures, Open Geospatial Consortium (OGC) Web Services and Geolocation Services.

ACADEMIC QUALIFICATIONS

- 1999-2005 - Degree in Geographical Engineering by the Faculty of Sciences of the University of Lisbon.
- 2015-2018 - Master's Degree in Navigation and Geomatics by the Portuguese Naval School in association with the Faculty of Sciences of the University of Lisbon.

MEMBERSHIPS

He is a member of the Portuguese National Association of Engineers.

AWARDS AND DECORATIONS

He has been awarded the Naval Cross – 3rd Class and the Medal for Exemplary Conduct – Copper Grade military medals.