

Curriculum Vitae

Yordan Garbatov

Instituto Superior Técnico, Universidade de Lisboa, Lisbon, Portugal



1 ACADEMIC DEGREES

Yordan Garbatov is currently Associate Professor of Naval Architecture and Ocean Engineering at Instituto Superior Técnico, University of Lisbon. He has graduated from the Technical University of Varna, Bulgaria in **1986**. He received his PhD in Naval Architecture and Marine Engineering from Instituto Superior Técnico, the Technical University of Lisbon in **1998** and Habitation, "Agregação" in Naval Architecture and Marine Engineering, from Instituto Superior Técnico, the University of Lisbon in **2013**.

2 EDUCATION

He has been lecturing and is responsible for the following disciplines of Master and PhD degrees in Naval Architecture and Ocean Engineering and Lifelong Training Course of Risks Assessment, Safety and Reliability, Instituto Superior Técnico: **(i)** Behaviour of Ship Structures; **(ii)** Analysis of Ship Structures; **(iii)** Design of Ship Structures; **(iv)** Advanced Analysis of Ship Structures; **(v)** Advanced Design of Ship Structures and **(vi)** Risk-Based Maintenance. He has been also supervised MSc and PhD studies in the field of Naval Architecture and Ocean Engineering.

3 RESEARCH

Yordan Garbatov is a leading researcher and vice-president of Centre for Marine Technology and Ocean Engineering (CENTEC) and actively contributed to establishing fruitful scientific collaborations with international reference centres.

He has been involved in 16 EU R&D Projects. The candidate published about 290 papers, where 99 in journals, 120 in book-chapters and 71 in conference proceedings.

The publications are related to the following research fields: **30%** in Structural Reliability and Risk-Based Maintenance; **27%** in Fatigue and Fracture Mechanics; **20%** in Structural Degradation; **16%** in Progressive Collapse and **7%** in Welding Simulation and Analysis.

The impact of developed and published works of the candidate is measured by **Scopus** (ID: 12784798500) H-index of 25, **Scholar** (ID: qN-mMboAAAAJ&hl) h-index of 28 and **Web of Science** h-index of 18.

He has been awarded for exceptional journal publications: **2011** Society of Naval Architects and Marine Engineers (SNAME), **2011**, Featured Papers Committee considered to be one of the best papers published in SNAME; **2013** Taylor & Francis and the Editorial Board of Ships and Offshore Structures awarded the 2013 Best Paper; **2015** Jeom Kee Paik Prize, International Journal of Maritime Engineering considered being the best paper on the subject of structures published; **2016** Offshore Mechanics and Arctic Engineering, OMAE Conference Appreciation Award for the role and valued services in organizing sessions in the Structures, Safety and Reliability Symposium.

He has been involved in reviewing many scientific articles for several international journals: Marine Structures, Journal of Ocean Engineering, Ships and Offshore Structures, Journal of Offshore Mechanics and Arctic Engineering, Transactions of FAMENA, The Open Ocean Engineering Journal, Engineering Structures, ISRN Corrosion, International Journal of Fatigue, Fracture Mechanics, Corrosion Science, Journal of Marine Science and Application, Structural Safety, International Shipbuilding Progress etc. Furthermore, he has been involved in the reviewing process of many international conferences, including the Offshore Mechanics and Arctic Engineering Conference, where he is leading the reviewing process as a topic organiser of "2-4 Fatigue and Fracture Reliability" and symposium organiser of Symposium 12.

He is also deeply involved in the editorial process of the following journals: **(i)** Journal of Ocean Engineering as a Deputy Editor, **(ii)** Journal of Offshore Mechanics and Arctic Engineering as an Associate Editor and **(iii)** Transactions of FAMENA as a member of the Advisory Board.

He is also a co-editor of three conference proceeding books.

Yordan Garbatov has served as a member of organizing committees of 20 international conferences and has been elected as a member of several international expert committees: **2000-2003**, International Ship and Offshore Structure Congress (ISSC) Committee V.2 Inspection and Monitoring, as a member; **2003-2006**, ISSC Committee V.6 - Condition Assessment of Aged Ships, as a member; **2006-2009**, ISSC Committee V.6 - Condition Assessment of Aged Ships, as a member; **2009-2012**, ISSC Committee III Fatigue and Fracture, as a member; **2011-2013**, International Maritime Association of the Mediterranean, as an executive committee member; **2012-2015**, International Ship and Offshore Structure Congress, as a Congress Secretary; **2015-2018**, ISSC Committee III Fatigue and Fracture, as a Committee Chairman.

He has evaluated Higher Education degree courses and reviewed different EU and International R&D Programmes and Project Proposals: **2005**, Bachelor and Master degree courses, National Council for Higher Education, Croatia; **2013**, **2015**, Bachelor and Master degree courses, Agency for the Evaluation and Accreditation of Higher Education (A3ES), Portugal; **2015**, Proposals submitted to the Natural Sciences and Engineering Research Council of Canada (NSERC) grant applications; **2015**, Proposals submitted in response to the - RFCS-2015 call issued on the basis of the EU work programme 'Research Fund for Coal and Steel Programme', Horizon 2020 Framework Programme; **2016**, Proposals submitted in response to the - RFCS-2016 call issued on the basis of the EU work programme 'Research Fund for Coal and Steel Programme', Horizon 2020 Framework Programme; **2016**, Proposals submitted in response to the Bulgarian National Science Fund (BNSF) in the field of the Technical and Earth sciences; **(vii)** 2017, Proposals submitted to the Natural Sciences and Engineering Research Council of Canada (NSERC) grant applications; **2017**, Proposal submitted under RESTART 2016-2020 Programmes for Research, Technological Development and Innovation of the Cyprus Research Promotion Foundation (RPF).

He has been participating in different academic committees: PhD Committees, 14; Master Degree Committees, 37 and Selection Committees, 5.

4 KNOWLEDGE TRANSFER

He has taught several international courses: **2002**, Reliability of Deteriorated Steel Structures, course on Reliability-Based Optimization, Warsaw, Poland; **2006**, Reliability of Maintained Structures, course on Risk Analysis and Structural Reliability, Glasgow, UK; **2007**, Reliability of Maintained Structures, Paris, France; **2008**, **2009**, Fatigue Reliability and Rational Inspection Planning, Zagreb, Croatia.

5 ACADEMIC ADMINISTRATION

He has been involved in different academic administration duties: **2003-2010**, Member of the Executive Board of the SAEN; **Since 2009**, Assistant-coordinator of the MSc Degree in Naval Architecture and Ocean Engineering; **Since 2011**, Vice-President of CENTEC; **Since 2011**, Coordinator of the BD Degree in Naval Architecture and Ocean Engineering; **Since 2003**, Member of the Scientific Board of MSc Degree in Naval Architecture and Ocean Engineering; **Since 2003**, Member of the Coordinating Board of the PhD Degree in Naval Architecture and Ocean Engineering; **Since 2017** Deputy Coordinator of the Unit of Naval Architecture and Ocean Engineering, Department of Mechanical Engineering, Instituto Superior Técnico.

August 22, 2018