

UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

**DOTTORATO DI RICERCA / PhD PROGRAM IN
INFORMATION TECHNOLOGY AND ELECTRICAL ENGINEERING**

Seminar announcement

Tuesday 18 May 2021, Time: 10:30 - 12:30

MS Teams - code: wqni37h



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INTRODUCTION TO UNDERWATER ROBOTICS

Abstract: This non-technical talk will cover the main aspects of underwater robotics. What are the marine applications requiring the use of robots and what kind of

robots have been designed so far, a short review of the market and finally a survey of research projects will allow to understand the future of marine robotics.

Lecturer short bio: Gianluca Antonelli is Full Professor at the "University of Cassino and Southern Lazio" and IEEE Fellow. His research interests include marine and industrial robotics, multi-agent systems, identification. He has published more than 50 international journal papers and more than 120 conference papers. He is author of the book "Underwater Robots" (Springer-Verlag 2003, 2006, 2014, 2018) and co-authored of the chapter "Underwater Robotics" for the Springer Handbook of Robotics (Springer-Verlag 2008, 2015). He has been involved in various role in research projects funded under FP7 and H2020 schemes: Co3AUVs, ECHORD, ARCAS, EUROOC, AEROARMS, DexROV, WiMUST, ROBUST, and EUMR. He served both as independent expert and reviewer for the European FP calls several times since 2006. He is member of the IEEE RAS AdCom, secretary of the IEEE-Italy section, he has been chair of the IEEE Robotics and Automation Society (RAS) Italian Chapter, he has been chair of the IEEE RAS Technical Committee in Marine Robotics. He served in the Editorial Board of the IEEE Transaction on Robotics, IEEE Transactions on Control Systems Technology, Springer Journal of Intelligent Robotics Systems, he served as Editor for the RAS Conference Editorial Board. He has been chief author of the open access journal "Frontier in Robotics & AI" specialty "Robotic Control Systems".

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