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# MIR SYMPOSIUM 2022

## BIO-INSPIRED & MARINE ROBOTICS

June 14 & 15, 2022 – SeaTech building, University of Toulon

Erasmus Mundus Joint Master's Degree



**Xavier LEROUX**

President of the University of Toulon

**Ricard MARXER**

Erasmus Mundus Marine & Maritime Intelligent Robotics (MIR) Master Programme Director

In partnership with Norges Teknisk-Naturvitenskapelige (NTNU) Norway, Universitat Jaume I (UJI) Spain, Universidade de Lisboa (IST-UL) Portugal and the support of the Erasmus+ Programme of the European Union

would be happy to welcome you at the Annual MIR Symposium 2022

E r a s m u s   M u n d u s   J o i n t   M a s t e r ' s   D e g r e e

**« Bio-Inspired & Marine Robotics »**

**June 14 & 15, 2022**

DATE	TIME	PLACE	PROGRAMME
2022-06-14	9:00-9:30	Amphitheater M	Welcoming of participants
	9:30-9:45	Amphitheater M	Introduction – Prof. Ricard MARXER, Director of Master Erasmus Mundus MIR
	9:45-10:30	Amphitheater M	<b>Challenges in underwater robotics: why it's difficult to go close and shallow?</b> <b>Keynote speaker presentation 1</b> – Prof. Maarja KRUUSMAA, Vice-Rector of Research Tallinn University of Technology, Estonia & Prof. at NTNU, Centre of Excellence of Autonomous Marine Operations and Systems, Norway
	10:30-10:45	Garden side SeaTech	<b>Coffee break</b>
	10:45-11:30	Room M-001	1st poster session – MIR students
	11:30-12:00	Amphitheater M	UTLN President speech
	12:00-12:30	Amphitheater M	<b>Relocalizing deep-sea autonomous underwater vehicles</b> – Clémentin BOITTIAUX, PhD UTLN
	12:00-13:30	Garden side SeaTech	<b>Lunch Cocktail</b>
	13 :30-14 :30	Amphitheater M	<b>Contributions of neuroscience to the detection and localization of objects in visual inputs</b> – Prof. Emmanuel DAUCE and Prof. Laurent PERRINET, Aix Marseille University
	14:30-15:00	Room M-011	2 <sup>nd</sup> poster session – MIR students
	15:30-16:00	Amphitheater M	<b>Increasing navigation of ROV by multibeam FLS</b> – Nicolas LALANNE, Engineer R&D, ECA Group
	16:30-17:15	Bus Departure in front of SeaTech	Bus trip to Toulon Wharf
	17:30-18:30	Toulon Bay	<b>Boat tour</b> – Les Bateliers de La Rade
	18:30-19:00	Bus Departure from Toulon Wharf	Bus trip back to SeaTech
2022-06-15	9 :00-10 :00	Amphitheater M	<b>In-Memory Computing Architectures for Robot Vision and Robotic AI Applications</b> <b>Keynote speaker presentation 2</b> – Prof. Jorge DIAS, Robotics Institute and research activities on robotics, Khalifa University, U.A.E. & Prof. at Artificial Perception for Intelligent Systems and Robotics, Institute of Systems and Robotics from University of Coimbra, Portugal
	10:00-10:30	Amphitheater M	<b>Underwater robotics : the five senses of underwater perception</b> – Jennifer GREER – Embedded Systems Engineer, IFREMER
	10:30-10:45	Amphitheater M	<b>Coffee break</b>
	10:45-11:45	Amphitheater M	Round table discussion – Alyeris, ECA Group, IFREMER, iXblue, Kietta, Seaowl Technology
	11:45-12:00	Amphitheater M	Symposium closing & conclusion – Prof. Ricard MARXER, Director of Master Erasmus Mundus MIR

Erasmus Mundus Joint Master's Degree

## REPLY COUPON

Mrs/Mr. ....

Organisation .....

will attend       will not attend       will be represented by .....

### The Bio-Inspired & Marine Robotics Symposium on June 14 & 15, 2022

Erasmus Mundus Joint Master's Degree  
 will participate in the boat tour       will not participate in the boat tour

Form to be returned before **June 1rst, 2022** to the University of Toulon  
Email : mundus-mir@univ-tln.fr