

Vertical and Topical Tracks Program

(WEDST – Western European Daylight Savings Time, Local Time in Aveiro)

San Francisco	New York	Aveiro	Rome	New Delhi	Beijing
00:30h-02:30h PDST	03:30h-05:30h EDST	08:30h-10:30h WEDST	09:30h-11:30h CEST	13:00h-15:00h IST	15:30h-17:30h CST
03:00h-05:00h PDST	06:00h-08:00h EDST	11:00h-13:00h WEDST	12:00h-14:00h CEST	17:30h-19:30h IST	20:00h-22:00h CST
06:00h-08:00h PDST	09:00h-11:00h EDT	14:00h-16:00h WEDST	15:00h-17:00h CEST	20:30h-22:30h IST	23:00h-01:00h CST (Next Day)
08:00h-10:00h PDST	11:30h-13:30h EDST	16:00h-18:00h WEDST	17:00h-19:00h CEST	22:30h-00:30h IST (Next Day)	01:00h-03:00h CST (Next Day)

Key to Vertical and Topical Tracks (details)

Special Sessions	Subject	Workshops	Subject
Vert-01	Space	Topi-01	Sensors and Devices
Vert-02	Maritime	Topi-02	Communications and Networking
Vert-03	Agriculture and Aquaculture	Topi-03	Security, Privacy, and Trust
Vert-04	Smart Cities and Mobility	Topi-04	Artificial Intelligence and Machine Learning
Vert-05	Energy, Built Environment, and Sustainability	Topi-05	Computing and Data Processing
Vert-06	Industry and Manufacturing		

Vertical and Topical Track Program Chairs	
	<ul style="list-style-type: none"> • Damir Filipovic, Alliance for IoT and Edge Computing Innovation (AOTI), Brussels, Belgium • Heiner Stüttgen, IEEE Communications Society & NEC Laboratories Europe (retired), Heidelberg, Germany

Vert-02	<u>“Maritime”</u>	
	Chairs	<ul style="list-style-type: none"> • Gerard Dooley, University of Limerick, Limerick, Ireland • Henry Leung, University of Calgary, Calgary, Alberta, Canada • José Luís Melo, University of Limerick, Limerick, Ireland
	<p>Vert-02 - Session 2</p> <p>Tuesday October 24th 14:00-16:00 WEDST Virtual</p>	<p>Session 2: “Long Endurance and Heterogeneous Systems.” “</p> <p>Moderator: Petar Trsllic, University of Limerick, Limerick, Ireland</p> <p>Talk 1: “Heterogeneous Autonomous Vehicles and Sensors for Port Inspection and Maintenance.”, James Riordan, Reader (Associate Professor) in Robotics & Autonomous Vehicles, School of Computing, Engineering, and Physical Sciences, University of the West of Scotland.</p> <p>Talk 2: “Robots helping Robots.”, Ivan Kingman, Maritime Robotics, Trondheim, Norway.</p> <p>Talk 3: “Underwater vehicles and sensors for the Ocean environment.”, Natàlia Hurtós, Software Product Manager, IQUA Robotics, Girona, Spain.</p>
	<p>Vert-02 - Session 3</p> <p>Wednesday October 25th 14:00-16:00 WEDST Virtual</p>	<p>Session 3: “Communications and operations within the maritime Domain.”</p> <p>Moderator: Gerard Dooly, University of Limerick, Limerick, Ireland</p> <p>Talk 1 (Presentation 1462): “Multimodal Underwater Acoustic Communication Networks.”, Filippo Campagnaro, Università degli Studi di Padova, Padua, Italy.</p> <p>Talk 2: “Challenges in Cooperative vehicles and sensors.”, Joao Sousa, Underwater Systems and Technology Laboratory, University Porto, Porto, Portugal.</p> <p>Talk 3: “Mari-Sense project and offshore LoRaWAN networks.”, Antonis Hadjiantonis, Senior Engineer, Cyprus Research & Innovation Center Ltd (CYRIC), Nicosia, Cyprus.</p>
	<p>Vert-02 - Session 4</p> <p>Thursday October 26th 14:00-16:00 WEDST Virtual</p>	<p>Session 4: “Deployed Sensing and Applications.”</p> <p>Moderator: Edin Omerdic, University of Limerick, Limerick, Ireland.</p> <p>Talk 1: “Sensor Nodes and Platforms.”, Anja Babic, Laboratory for Underwater Systems and Technologies (LABUST), Faculty of Electrical Engineering and Computing, University of Zagreb, Zagreb, Croatia.</p>

		<p>Talk 2: “Offshore wind, operations and maintenance.”, Andry Maykol Pinto, Robotics and Autonomous Systems, Institute for Systems and Computer Engineering, Technology and Science (INESC TEC), Porto, Portugal.</p> <p>Talk 3: “Offshore monitoring using RGB sensors, Hyperspectral imagers and Machine Learning.”, Gerard Dooly, Co-Director of the Centre for Robotics and Intelligent Systems, University of Limerick, Limerick, Ireland.</p>
--	--	--