

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-05	<i>“Energy, Built Environment, and Sustainability”</i>

	Chairs	<ul style="list-style-type: none"> • Natalie Samovich, Enercutim, Lisbon, Portugal • Georgios Karagiannis, Huawei Technologies, Düsseldorf, North Rhine-Westphalia, Germany
	<p>Vert-05 - Session 1</p> <p>Monday October 23rd 14:00-16:00 WEDST Virtual</p>	<p>Session 1: “Digital Infrastructures for flexibility services in electricity sector.”</p> <p>Moderator: Natalie Samovich, Head of Research, and Innovation at Enercutim, Lisbon, Portugal</p> <p><i>Talk 1: “Digital infrastructure for flexible services in the electricity sector.”, Nikos Hatziargyriou, Emeritus Professor in Power Systems, National Technical University of Athens, Athens, Greece.</i></p> <p><i>Talk 2: “Speeding up the energy transformation through digitalization: from data platforms to data spaces.”, Antonello Monti, Director of the Institute for Automation of Complex Power System, RWTH Aachen University, Aachen, North Rhine-Westphalia, Germany, and Group Leader, Fraunhofer Institute FIT, Center for Digital Energy, North Rhine-Westphalia, Germany.</i></p> <p><i>Talk 3 (Presentation 1521): “OneNet Connector - A decentralized Data Space enabler for Smart Energy”, Ferdinando Bosco, Ingegneria Informatica SpA, Palermo, Sicily, Italy.</i></p> <p><i>Talk 4 (Presentation 1263): “The CODECO orchestration framework - value add for smart, decentralized energy environments.”, Rute C. Sofia, Research Expert in Networking and Computing, IIoT Head, Fortiss GmbH, Munich, Bavaria, Germany</i></p> <p><i>Talk 5 (Presentation 1538): “Molecules in an electron world. Intersectoral challenges.”, Wout van Voornveld, Data Architect at N.V. Nederlandse Gasunie, Groningen, the Netherlands.</i></p> <p><i>Talk 6: “TBD”, Laurent Schmidt, Head of Utilities & European Developments at dcbel & President at Digital4Grids, Paris, France.</i></p>
	<p>Vert-05 - Session 3</p> <p>Wednesday October 25th 14:00-16:00 WEDST Virtual</p>	<p>Session 3: “Socio economic impact and drive towards decarbonization.”</p> <p>Moderator: Natalie Samovich, Enercutim, Lisbon, Portugal</p> <p><i>Talk 1: “From the Internet of things towards interoperability: driving the energy Transition digitally.”, Gjalt Loots, Principal Business Consultant, TNO, Groningen, the Netherlands.</i></p> <p><i>Talk 2: “How to scale up your knowledge and technology with a hybrid innovation ecosystem orchestration and tools”, Jara Pascual, CEO at Collabwith, Amsterdam, North Holland, Netherlands.</i></p>

		<p>Talk 3: “The replicability initiative, a way to accelerate the digitalization of the European Enterprises”, Pierre-Yves Danet, Smart Connectivity Senior Consultant, Perros-Guirec, Brittany, France.</p> <p>Talk 4: “Market design and technological development in electricity systems: consumer-centered services versus technology-centered incentives.”, Miguel Vasquez, Sustainability Lab, SDA School of Management, Bocconi University, Milan, Lombardy, Italy.</p>
	<p>Vert-05 - Session 4</p> <p>Thursday October 26th 14:00-16:00 WEDST Virtual</p>	<p>Session 4: “Impact of AI, edge computing and digital twins towards Energy Metaverse.”</p> <p>Moderator: Natalie Samovich, Enercoutim, Lisbon, Portugal</p> <p>Opening Remarks</p> <p>Talk 1: “The Blue Dataverse. A system for marine data sovereignty.”, Tom De Block, Systems Architect, AIOTI, Brussels, Belgium.</p> <p>Talk 2 (Presentation 1519): “5G NB-IoT Connectivity from space: Empowering the energy sector.”, Tiago Rebelo, Co-Founder and CEO, Connected, Porto, Portugal.</p> <p>Talk 3: “Evolving AI platforms to facilitate energy transition.”, Massimo Bertoncini, Senior R&D Opportunities Manager - Digital Energy, Engineering Ingegneria Informatica Spa., Rome, Latium, Italy.</p> <p>Talk 4: “Transformation to smart manufacturing.”, Avishek Mukherjee, Senior Enterprise Architect at Hewlett Packard Enterprise, Stockholm, Sweden.</p> <p>Talk 5: “Energy considerations of the edge-cloud continuum in the era of AI.”, Mays AL-Naday, Senior Lecturer in Cloud Networks, Services and Cybersecurity at University of Essex, Colchester, UK.</p> <p>Talk 6: “The Rise of AI and Immersive Edge IoT Technologies.”, Ovidiu Vermesan, Chief Scientist, SINTEF, Trondheim, Norway.</p> <p>Moderated Discussion, Q&A, and Conclusion</p>
	<p>Vert-05 - Session 5</p> <p>Friday October 27th 14:00-16:00 WEDST Virtual</p>	<p>Session 5: “IoT empowering Green Transformation focusing on methodology and/or standardization activities.”</p> <p>Moderator: Georgios Karagiannis, Huawei Technologies, Düsseldorf, North Rhine-Westphalia, Germany</p> <p>Talk 1 (Presentation 1505): “Empowering Green Transformation focusing on methodology and standardization activities.”, Kevin</p>

		<p>Thompson, COO, Global Enabling Sustainability Initiative (GeSI), USA.</p> <p><i>Talk 2 (Presentation 1463): “Enable twin transition – green and digital, through ubiquitous fiber connectivity.”, Ronald Freund, Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institut (HHI), Berlin, Germany</i></p> <p><i>Talk 3 (Presentation 1508): “Measuring the net environmental impact of digital solutions.”, Ilias Iakovidis, European Commission, DG Connect, Brussels, Belgium</i></p>
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