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 • **Damir Filipovic**, Alliance for IoT and Edge Computing Innovation (AOTI), Brussels, Belgium • **Heiner Stüttgen**, IEEE Communications Society & NEC Laboratories Europe (retired), Heidelberg, Germany
Topi-03	*"Security, Privacy, and Trust"*

	Chairs	**João Paulo Barraca**, Universidade de Aveiro, Aveiro, Portugal **Amardeo Sarma**, Trust in Digital Life Association & NEC Labs, Heidelberg, Germany **Marco Barros Lourenço**, European Union Agency for Cybersecurity (ENISA), Athens, Greece **David Goodman,** Trust in Digital Life Association, Cupar, Scotland, UK
	Topi-03 - Session 1 **Wednesday October 25th 14:00-16:00 WEDST Virtual**	**Session 1***: "Security, privacy, and attestation for IoT devices and products."* **Moderator: David Goodman,** Trust in Digital Life Association, Cupar, Scotland, UK *Talk 1 (Presentation 1268): "IoT security bootstrapping and lifecycle management*", **Antonio Fernando Skarmeta**, *Universidad de Murcia, Murcia, Spain.* *Talk 2 (Presentation 1510): "Managing IoT identities (IDoT) and privacy issues.",* **David Goodman**, *Trust in Digital Life, Cupar, Scotland, UK.*
	Topi-03 - Session 2 **Tuesday October 24th 14:00-16:00 WEDST Virtual**	**Session 2***: "Secure integration of IoT devices in Blockchain solutions."* **Moderator: Amardeo Sarma**, Trust in Digital Life Association & NEC Labs Europe GmbH, Heidelberg, Germany. *Talk 1 (Presentation 1452): "Secure Integration of IoT Devices in Blockchain Applications.",* **Xinxin Fan**, *Founding Member, Head of Cryptography at IoTeX, Menlo Park, California, USA.* *Talk 2 (Presentation 1488): "The Internet Computer: the next evolution of the Blockchain.",* **Jan Camenisch**, DFINITY Foundation, Zurich, Switzerland. *Talk 3 (Presentation 1494): "Secure and Trustworthy IoT Platform through Blockchain Technology. ",* **Sebastian Adreina**, NEC Labs Europe GmbH, Heidelberg, Germany.
	Topi-03 - Session 3 **Monday October 23rd 14:00-16:00 WEDST**	**Session 3***: "Towards effective standards for IoT security."* **Moderator: João Paulo Barraca**, Universidade de Aveiro, Aveiro, Portugal. *Talk 1 (Presentation 1499): "Security, privacy and attestation for IoT devices and products.",* **Kai Rannenberg**, Goethe University, Frankfurt, Germany.

	Virtual	*Talk 2 (Presentation 1512): "New Directions in IoT Security and Privacy.",* **Steve Lu**, *Stealth Software Technologies Inc., Los Angeles, California, USA* *Talk 3 (Presentation 1534): "An automotive rating to classify the level of cybersecurity in the golden era of smart and complex cars.",* **Patrick Grumer**, Lead CyberSecurity Specialist, Continental Engineering Services, Porto, Portugal.
	Topi-03 - Session 4 **Thursday October 26th 14:00-16:00 WEDST Virtual**	**Session 4***: "Security assurances by manufacturers for IoT products and solutions."* **Moderator: Marco Barros Lourenço**, European Union Agency for Cybersecurity (ENISA), Athens, Greece *Talk1 (Presentation 1481): "Manufacturing Security for IoT Devices: Big Picture",* **Claire Vishik**, Trust in Digital Life, Austin, Texas, USA. *Talk 2 (Presentation 1514): "An update on Enisa' work on Cybersecurity research. emerging-trends and challenges in IoT security.",* **Corina Pascu**, European Agency for Cybersecurity (ENISA), Athens, Greece. *Talk 3 (Presentation 1503): "ENISA update on European Certification schemes development.",* **Vicente Gonzalez Pedros**, European Agency for Cybersecurity (ENISA), Athens, Greece
	Topi-03 - Session 5 **Friday October 27th 14:00-16:00 WEDST Virtual**	**Session 5***: "Privacy of IoT Data, and Privacy Management of IoT Data."* **Moderators: João Paulo Barraca**, Universidade de Aveiro, Aveiro, Portugal. *Talk 1 (Presentation 1453): "Mutual Authentication of UAVs using Selective Disclosure.",* Kazue Sako, Waseda University, *Talk 3 (Presentation 1496): "Privacy in the age of IoT and AI -- can we balance data protection and utility?",* Volkmar Lotz, Head of Product Security Research, *SAP Labs, France.* *Talk 2 (Presentation 1483): "Privacy and Anonymity: Practical Approach to IoT Data",* **Claire Vishik**, *Trust in Digital Life (TDL), UK.*