

DTSS 2025 CONFERENCE PROGRAMME
“Beyond Boundaries: Digital, Smart, and Sustainable”
15-16 May 2025, METU CULTURE & CONVENTION CENTER

15 MAY 2025	09:00-10:00	REGISTRATION
	10:00-10:45	OPENING SESSSION Assoc. Prof. Şeyda ERTEKİN, METU-DTX, DTSS 2025 Co-chair Prof. Hüsnü DAL, METU-DTX, DTSS 2025 Co-chair Prof. Ahmet YOZGATLIGİL, Rector of METU
	10:45-11:15	Hackathon 2025 Award Ceremony
	11:15-12:00	SESSION 1 – Digitalization & Sustainability <u>Chair:</u> Prof. Dr. Ulaş YAMAN, METU-DTX <u>Panelists:</u> Berke ERCAN, TAYSAD, Vice President Zühtü BAKIR, MAKFED General Secretary
	12:00-13:00	LUNCH
	13:00-13:40	METU-DTX Digital Maturity Assessment for Turkish Machinery and Automotive Industry: Opinions and Thoughts Assoc. Prof. Tarkan GÜRBÜZ, METU-DTX Ozan ÇINAR, Aksan Ömer Orkun DÜZTAŞ, Büyütech Mehmet KÜRÜMLÜOĞLU, Fraunhofer IAO, Advanced Systems Engineering, Team Leader
	13:40-15:00	PANEL 1 – Access to Finance in Digital Transformation <u>Chair:</u> Prof. Dr. Hüsnü DAL, METU-DTX <u>Panelists:</u> Bülent ÖZCAN, Ministry of Foreign Affairs, Directorate for EU Affairs, Director-General for Financial Cooperation and Project Implementation Emre DABAK, Ministry of Industry and Technology, Deputy Director-General of National Technology Çağrı YILDIRIM, TÜBİTAK, National Coordinator of Horizon Europe Programme Marco KAYSER, Fraunhofer IAO, Advanced Systems Engineering, Senior Researcher ‘International Research Cooperation’
	15:00-15:20	BREAK
	15:20-16:30	SESSION 2 – AI in Product Development & Manufacturing <u>Chair:</u> Prof. Dr. Erhan EREN, METU-DTX <u>Panelists:</u> Prof. Dr.-Ing., Carmen CONSTANTINESCU, Fraunhofer IAO, Senior Expert in Digital Manufacturing ‘Cognitive Digital Twins towards Resilient Production: Comprehensive Research and Use Case In Automotive Industry’

		Dr.-Ing. Matthias PEISSNER , Fraunhofer IAO, Head of Human-Technology Interaction Research Unit <i>‘Innovate and Transform with Artificial Intelligence’</i> Assoc. Prof. Şeyda ERTEKİN , METU-DTX <i>‘Artificial Intelligence Trends Transforming Smart Manufacturing’</i>
	16:30-18:30	COCKTAIL DINNER
16 MAY 2025	10:00-10:30	Plenary Speaker <i>‘From Threats to Trust: Navigating Cybersecurity & Identity Management Challenges’</i> Dr. Michael KUBACH , Fraunhofer IAO, Team Identity Management, Senior Researcher
	10:30-12:00	SESSION 3 – The Role of Smart Systems & Robotics in Digital Transformation Chair: Prof. Dr. Ulaş YAMAN, METU-DTX Panelists: Hasan ÖLMEZ, Milvus Robotics Murat Anıl ORAL, Pulsar Robotics Assoc. Prof. Mustafa Mert ANKARALI, METU Hidayet Gürcan TUNÇ, Robolaunch
	12:00-13:00	LUNCH
	13:00-13:40	Plenary Speaker <i>‘Industrial Application of Internet of Things For Digital Manufacturing’</i> Prof. Benoit EYNARD , University of Technology of Compiègne, Department of Mechanical Engineering
	13:40-14:20	The Digital Transformation and Innovation Centre: Capacity and Collaboration Options 1- Smart- Flexible Production Systems Laboratory 2- Artificial Intelligence and Big Data Analytics Laboratory 3- Virtual and Augmented Reality Laboratory
	14:20-14:30	BREAK & TRANSFER TO THE CENTER
	14:30-17:00	METU-DTX VISIT & DEMO EVENT
	17:00	CLOSING