9:00 - 10:00 Opening Speech
> *Prof. Dr. Eng. Adrian Florea, Director of KTC HPI-LBUS*
> *Prof. Dr. Eng. Ioan Bondrea, President of the Senate LBUS*
> *Prof. Dr. Christoph Meinel, former Director & CEO, Hasso Plattner Institute Potsdam Germany*
> *Ramona Samson, Chief Economist Unit, European Commission, Directorate-General for Research and Innovation*
> *Catalin Mihacea, President Sibiu IT Cluster*
> *Daniel Homorodean, Vice President at Cluj IT Cluster*
> *Prof. Dr. Eng. Maria Vintan, Dean of the Faculty of Engineering LBUS*

10:00 - 10:45 Keynote speech: chatGPT and clean IT
> *by Prof. Dr. Christoph Meinel, Former Director & CEO, Hasso Plattner Institute Potsdam Germany*

10:45 - 11:30 Keynote speech: AI and Education
> *By Prof. Dr. Karl-Heinz Frank Reichert, Department of Information and Communication Technology, Faculty of Engineering & Science, University of Agder*

11:45 - 13:50 PANEL 1: Cybersecurity
> **Moderator: Andrei Nistor, Co-Owner Digitalio.ro; Owner Stirile Transilvaniei**

Successful cybersecurity projects through innovation and accelerating technology transfer
> *By Ioan Constantin, Cyber Security Expert at Orange Romania*

Manage the Insider Risk in an ever-changing environment
> *By Iulia Feraru, Security Manager at Visma*

Automotive Cybersecurity Challenges
> *By Valentin Cota, Lead Automotive Functional Safety & Cyber Security Expert at Marquardt Sibiu*

Legal Technical Requirements for Cybersecurity and impacts on technical product development in automotive
> *By Dr. Siegfried Schreiber, Senior Expert and Legal Technical Requirements Analyst CybeRsecurity at Vitesco Technologies*

Gaps in Cybersecurity
> *By Dan Candea, Cybersecurity Specialist*

IoT Security and how the future might look like
> *By Catalin Mihacea, Managing Director Agile Networks Technologies*

Network Anomaly Detection: Supervised Learning is not Enough
> *By Ugo Fiore, Professor at Dipartimento di Informatica - Università degli Studi di Salerno*

15:45-17:40 PANEL 2: Artificial Intelligence
> **Moderator: Ovidiu Epure, Head of Equipment Platform in Automotive Networking Central Engineering - Systems - (BA AN CE SYS), Team Lead Equipment Platform in BA AN CE SYS Sibiu, Continental Automotive Systems Sibiu**

Artificial intelligence in education – a learning analytics perspective
> *By Elvira Popescu, Professor at University of Craiova*

NLP and Knowledge graphs
> *By Christophe Cruz, Full Professor at Université de Bourgogne*

Artificial Intelligence Applications: Machine Learning and Multi-Agent Systems
> *By Florin Leon, Professor at UT Gh. Asachi Iasi*

From artificial intelligence to hybrid cognitive systems: when the user must help the machine to help him
> *By Pierre-Alexandre Favier, Senior lecturer ENSC at Univ. Bordeaux, CNRS, Bordeaux INP, IMS*

Bringing Machine Learning to Edge Devices
> *By Alexandru Taran, Software Engineer at NXP Semiconductors Romania*

AI for conversations: tackling the challenge of cultures and identities
> *By Alexander Frame, Professor of Communication at Université de Bourgogne*

17:45 - 19:45 PANEL 3: Innovative Partnerships (active ongoing projects dissemination)
> **Moderator: Alin David, System Engineer at Marquardt**

The challenges and possibilities of European university networks from the ICT perspective
> *By Merja Laamanen, Digital Transformation Lead at University of Jyväskylä, Finland*

Product transition from on premise to cloud – How a partnership between Google and Regnology drives more value?
> *George Bontaș, Head of Software Development Abacus Banking and Romania Practice, Leader at Regnology*

From Innovation to Standardization
> *By Laura Boarescu, Global Industrial Engineering Group Leader*
> *& Lucian Rusu, Head of Digital Factory*
> *& Dinu-Tudor Gruian, Head of Manufacturing Software & Testing at Continental Automotive Systems Sibiu*

Hands on experience as an entrepreneur
> *By Catalin Mihacea, Managing Director at Agile Networks Technologies*

Building the FORTHEM European Alliance Digital Campus
> *By Claudio Ruoco, Ingegnere Informatico | Esperto in e-learning (Moodle) at Università degli Studi di Palermo*
> *& Frederic Hillon, Digital Advisor at University of Burgundy*

"Digital Transformation Approaches for SMEs"
> *By Ciprian Candea, CEO ROPARDO*

17:00 - 19:00 Workshop 1 - Organized by Continental Automotive Systems Sibiu
> **Place: the hall of the Faculty of Engineering**

1.1 The path towards Autonomous Mobility and the technologies that make it possible
> **With:** *Sergiu Ș. Nicolaescu, Head of Software Engineering*
> *Eugen Crăciun, Team Leader of ECU PM Team*

1.2 Smart Mobility: Automated Guided Vehicle Traffic Analysis
> **With:** *Andreea Balteanu, Engineering Intern*
> *Cosmin Biris, Senior Expert Vision Test Systems*

Day 2, Fri, 06, Oct. 2023

09:00 - 10:00 Keynote speech / Debate

Digital Transformation in Post-Covid Era. Changing the Habits and Challenges
Moderator: Prof. Dr. Eng. Adrian Florea, Director KTC HPI-ULBS
With:
 Lasse Berntzen Professor at School of Business, University of South-Eastern Norway
&
Ugo Fiore, Professor Dipartimento di Informatica - Università degli Studi di Salerno

10:00 - 11:50 PANEL 4: Jobs, Skills and Education of the future

Moderator: Mihai Ețcu, Learning & Training Team Leader at Continental Automotive Systems Sibiu
Industry 5.0 and the future of work: making Europe the center of gravity for future good-quality jobs
By Ramona Samson, Chief Economist Unit at European Comission, Directorate-General for Research and Innovation
(More) digital skills
By Gabriela Candea, Manager Research & Innovation Department at ROPARDO
Building a culture of innovation in SMEs: challenges and opportunities
By Bogdan Valentin Cretu, CEO at Cora SRL
Academic freedom meets systematic and structured agile development – experiences of SAFe in continuous learning course design
By Liisa Kallio, IT specialist at University of Jyväskylä, Finland
Creative Disruption: Redefining Success in the Modern Workforce
By Sergiu-Valentin Dilimot, Head of IT at Visma
What will the future skill requirements looking like compared to today?
By Alexandra Luca, Engineering Manager R&D at Regnology Romania

14:00 - 16:50 PANEL 5: Climate-Neutral and Smart Cities (smart mobility, energy efficiency, circular economy & sustainability)

Moderator - Prof. Dr. Eng. Adrian Florea, Director KTC HPI-ULBS
The role of telcos in decarbonization
By Cristian Patachia, Development & Innovation Manager at Orange Romania
Future Motorcycle Braking systems, development and integration
By Radu Natea, Technical Project Leader at Continental Automotive Systems Sibiu
Sustainable and Scalable Simulations for Computational Sciences
By Florina M. Ciorba, Associate Professor for High Performance Computing at University of Basel, Switzerland
EU's approach towards Climate-neutral and Smart Cities
By Nicolae Stefanuta, Member of the European Parliament
Aggregators in Collaborative Prosumer Networks
By Lasse Berntzen, Professor at School of Business, University of South-Eastern Norway
Prosumers as drivers in infrastructure modernization
By Dorel Stanescu, Dr.Eng.S.L. at ULBS
Smart cities in the context of Automotive & IoT
By Simona Almajan, Country Manager at NXP Semiconductors Romania
IoT Sensing Systems for Recycling and Sustainable Management of Smart Cities
By Rui Silva Moreira, Associate Professor at FCT/University Fernando Pesoa Porto, Portugal

Using Deep Learning for Building Stock Classification in Seismic Risk Analysis

By José Torres, Associate Professor at FCT/University Fernando Pesoa Porto, Portugal

SMART City interventions and concepts in Sibiu to mitigate climate change

Raul Apostoiu, Sibiu City councilor, chairman of the Smart City Digitalization and Strategy Commission

17:00 - 18:40 PANEL 6: Smart Health

Moderator: Prof. Dr. Eng. Remus Brad, ULBS

Smart Digital Health for All Children

By Marius George Linguraru, DPhil MA MSc, Principal Investigator / Professor at Children's National Hospital / George Washington University

Lung cancer without smoking? The sick building syndrome!

By Kinga Hening Ph.D, Tech Transfer Officer at Babeș-Bolyai University, Technology Transfer Office

A step forward in Smart Health through AI and Wearables

By Ciprian Radu Șofariu, M.D., Ph.D at Radiology / Clinical Pediatric Hospital Sibiu

MedTechLab®, a living lab in health and autonomy. A mix of interdisciplinary research and innovation, from co-creation and user studies to clinical studies

By Raksmey Phan, Researcher/In charge of MedTechLab® at École Nationale Supérieure des Mines de Saint-Étienne

The mind behind the brain

By Dr. Claudiu Matei, Lecturer Lucian Blaga University, Faculty of Medicine, Head of Neurosurgery, Medical Director MedLife Polisano Hospital

18:40-19:10 Announcement of the Hackathon Contest winners

Closing session SID2023