Sibiu Innovation Days 2021

28.10.2022 – 30.10.2022
Hybrid Conference

Scientific Committee:
Univ. Prof., Dr. sc. nat., Dr. rer. nat. Christoph MEINEL,
Univ. Prof. Dr. Lasse BERNTZEN
Univ. Prof. Dr. Stelian BRAD

Organizing Committee:
Univ. Prof. Remus BRAD,
Univ. Prof. Dr. Adrian FLOREA
Assoc. Prof. Dr. Daniel MORARIU
Assoc. Prof. Dr. Radu CREȚULESCU

Day 1, Thu, 28, Oct. 2021

9:00 - 10:00 **Opening Speech**
  Prof. Dr. Eng. Adrian Florea, Director of KTC HPI-LBUS
  Prof. Dr. Habil. Sorin RADU, Rector of LBUS
  Prof. Dr. Eng. Ioan BONDREA, President of the Senate LBUS
  Mrs. Ligia DECA, Presidential Adviser, Department of Education and Research, Presidential administration
  Prof. Dr. Christoph MEINEL, Director & CEO, Hasso Plattner Institute Potsdam Germany
  Mrs. Astrid FODOR, Mayor of Sibiu
  Prof. Dr. Eng. Dr. Ec. Stelian BRAD, President of Cluj IT Cluster
  Mr. Octavian OPREA, President of Authority for the Digitalization of Romania (ADR)

10:15 - 11:50 **Keynote speech**:
  Towards European Digital Sovereignty
   by Prof. Dr. Christoph Meinel, Director and CEO at Hasso Plattner Institute Potsdam Germany
  Mobile Screening for Diverse Populations with Genetic Syndromes

by Prof. Dr. Marius George Linguraru from Children's National Hospital / George Washington University, Washington DC

12:00 - 13:45 Workshop – 1:

Challenge for a successful Tech Transfer; the specificity of the process in Romania
by Dr. Florin-Calin Paun, Innovation Architect

15:30 - 17:30 PANEL 1: Artificial Intelligence

Epure Ovidiu – moderator

Boarding for our next destination: the Metaverse
by Radu Orghidan, Vice President at Endava

Personalization of customer experience in modern systems
by Bojan Mrazovac, Head of Research and Development at NTT DATA Romania

AIOps and DevOps: Shaping the future of society through technology
by Sergiu-Valentin Dilimot, Squad Line Manager at Visma Software S.R.L

Infrastructure requirements for an AI-enabled architecture
by Radu Buciuceanu, Lead Architect at Nerds Computing and Mihai Radulescu Technical Storyteller at Nerds Computing

Optimization of operational processes using Artificial Intelligence
by Vlad Cazan, Co-fondator at KFactory

17:50-20:00 PANEL 2: Smart health

Prof. Dr. Ing. Remus Brad- moderator

Shaping the Future of Healthcare
by Isabela Buhai, Delivery Partner | Healthcare, Europe & UK at Endava

Collaborative Efforts Are Essential for Deep Learning to Help Children's Health and Rare Diseases
by Prof. Dr. Marius George Linguraru from Children's National Hospital / George Washington University, Washington DC

Your Personal Assistant": Design of an Integrated IoT System for a Personalized Coach for Healthy Aging
by Ciprian Candea, CEO at Ropardo

Digital transformation of health and care – Empowering citizens and building a healthier society
by Birgit Morlion, Programme Officer at European Comission DG CONNECT

The advantages of modern Medical Information Systems and patients' access to the Electronic Medical File
by Alexandru Bârsan, Executive Manager at GamaIT

17:00 - 19:00 Workshop 2 - Demo session - AGVs & Cobots / Autonomous driving
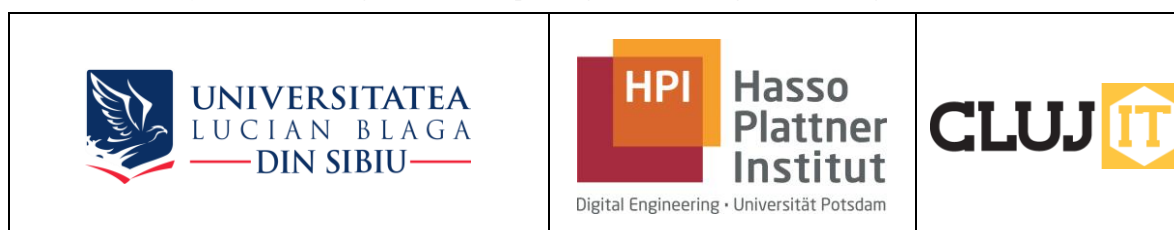*with Ovidiu Chicea, Team Leader, Side Functions 2 at Continental Romania*

Day 2, Fri, 29, Oct. 2021

9:00 - 11:30 PANEL 3: Startups, Entrepreneurship and Personal Development

Etcu Mihai – moderator

Building tech startups in Romania
by Monica Obogeanu, Startup Programs Manager at Orange

From graduation to entrepreneurship. Develop your skills: initiative, creativity,
motivation, drive and leadership *by Tudor Gorcia, CEO at TNT Computers*

SpectThe Importance of Agility and the Human Factor in the Entrepreneurial Process
by Dr. Florin-Calin Paun, Director of Innovation and R&D

The difference between sand and cement in entrepreneurship!
by Catalin Mihacea, Managing Director at Agile Networks Technologies

Entrepreneurship competences training for employees - funded by EU funds
by Etcu Mihai, Learning & Training Team Leader at Continental Romania

11:50 - 14:00 PANEL 4: Digitalization / Industry 4.0 Challenges
Alin David – moderator

Digital Automotive Era: Innovative Technologies of the Future
by Alin David, System Engineer at Marquardt Schaltsysteme SCS

Cybersecurity in Continental in 2021
*by Marian Marin, R&D Software Project Manager & Team Leader at
Continental Romania*

Smart Device for Digital Signage System
by Marius Patroi, Co-Founder & General Manager at Spectroo.eu

Smart Factory Romania – Gearing up for the digital transformation of manufacturing
through collaboration
by Bogdan Pirvu, Associate professor at Lucian Blaga University of Sibiu

Industry X: From Research to End of Life -> Products for the Future
*by Vlad Toncian, Test Equipment Planner Engineer at Marquardt
Schaltsysteme SCS*

Diversity + Inclusion = Good security
by Monica Iovan, Head of Security Development, Visma

**15:30 - 17:30 PANEL 5: The future of work: upskilling, reskilling, the Long-life-
learning, new jobs, new skills**
Etcu Mihai – moderator

Workforce analytics in teleworking
*by Prof. Dr.Ing. Claudiu Kifor Director, research center in sustainable
products and processes & Dr.Ing. Sergiu Şt. Nicolaescu Postdoctoral Research
Engineer at Lucian Blaga University of Sibiu*

How digitalization transforms the future of work
by George Bontas, Country Leader BearingPoint RegTech

OMiLABs in Action: Driving Innovation and Digital Transformation through Open
Models
by Dr. Wilfrid Utz, Managing Director at OMiLAB NPO, Germany

Future of matchmaking in recruitment
by Cătălin Viorel VACON Talent Pipeline, startup from Sibiu

Skills required for success within the digital society. Hard vs Soft skills
by Răzvan Voica CEO & Co-Founder at The Informal School of IT

**17:50 - 20:00 PANEL 6: World / European Challenges from RDI / innovative
Partnership**
Prof.Dr.Ing. Adrian Florea - moderator

Changes in the EU R&I landscape post-COVID 19

by Ramona Samson, Chief Economist Unit at European Comission

Health research funding in Horizon Europe. The Work Programme 2021-2022

by Alexandru-Sorin COSTESCU, Scientific Policy Officer at European Comission

Experiences of innovation in the field of digitalization in public and private sectors

by Matteo PORTA, Senior Mechanical Engineer Industrial Design & CAE at RINA Consulting S.p.A., Italy

INNOHUB Continental Sibiu – Presentation & 2021 Projects

by Cosmin Biris, Senior Expert & Dinu Gruian from Continental Romania

17:00-19:00 Workshop 3: Innovation In Triad: Perfect Synergy of mechanics, electronics and software!

with Florin Ignat, Daniel Benea, Catalin Stan from Marquardt Schaltsysteme SCS

Day 3, Sat, 30 Oct. 2021

9:00-10:00 Keynote speech:

How digital transformation can support the economic growth

by Prof. Dr. Eng. Dr. Ec. Stelian BRAD, President of Cluj IT

10:10-13:00 PANEL 7: Smart cities

Prof.Dr.Ing. Adrian Florea - moderator

Challenges and actions for Sibiu Smart City. The importance of creative communities

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

Technology connecting citizens with the city

by Prof.Dr. Lasse Berntzen from University of South-Eastern Norway

ReInventing Cities. Building bridges with companies, technologies and authorities.

by Eduard Dumitrascu President Romanian Smart City Association

Proactive approach to buildings management and maintenance leading to improved quality of life for citizens in a smart city

by Catalin Dragoi, Services and Digitalization Leader CEE - Honeywell Building Technologies

Call to actions for a sustainable digital city

by Cristian Pațachia, Development & Innovation Manager at Orange

How parking systems help reduce carbon emissions?

by Marius Miroslav, CEO at fastPark Co. S.R.L.

Key Success Factors for Smart City Construction

by Vlad Doicaru, Public Affairs and Government Relations Director at Huawei Technologies SRL

"Digital City, Smart City, Intelligent city, Brained City: An Advanced and Integrated Vision"

by Paulina Mitrea - PhD Prof. UTCN - Coordinator of Brained City, Group /Cluj IT and Leader of Smart City Unit -DIH4S/ClujIT

14:30 – 17:00 PANEL 8: Smart agriculture applications Sustainability, Green society

– moderator Prof.Dr. Lasse Berntzen

Pay As You Throw - PAYT Economic Instrument
> *by Marian Popa, Director at Public Service for Management, Sanitation and Environmental Protection, Sibiu*

Innovation in Agriculture – The IoT revolution is here
> *by Prof.Dr. Lasse Berntzen from University of South-Eastern Norway*

Agriculture applications: Reuse of existing ADAS solutions from passenger cars for the safety of agricultural equipment
> *by Ichim Marius from Continental Romania*

Use of UAS systems in collecting agro-climatic data
> *by Sebastian Pop, Manager at AeroDrone SRL Braşov*

Using drone technology for preserving the economic sustainability of the agricultural holdings
> *by Profesor dr. ing. Anca Sipos at Lucian Blaga University of Sibiu*

16:30-17:00 **Announcement of the Hackathon Contest winners**
> **Closing session SID2021**