



International
Scientific Conference

“SOCIETY.
TECHNOLOGY.
SECURITY”

March 26th, 2021

Timetable

	Keynote speakers and panel discussions		Workshops
10:00 – 10:15	Conference opening by the Rector of Vidzeme University of Applied Sciences, Dr.hist. Gatis Krūmiņš and the Chairman of the Valmiera City Municipal Council Mr. Jānis Baiks		
10:15 – 11:00	Dr.oec., Professor Juris Binde, President of the Latvia Mobile Telephone Keynote speech “ Digitalisation and CyberSecurity – Opportunities and Challenges for Industry 4.0 ”		
11:00 – 11:10	Break		
11:10 – 12:00	Focusing on the Public Sector’s Communication in Turbulent Times: Drawing Conclusions from the Recent Experience and Drafting Future Steps Gatis Krūmiņš, Ieva Bērziņa, Karina Sudakova, Ieva Zaumane, Inita Blačforda		
12:00 – 13:00	Lunch break		

13:00 – 13:50	Monitoring Devices for Human and Sea Health and Security Linda Lancere, Mohcine Boudhane, Kebira Azbeg, Hamza Toulmi, Ojārs Balcers	13:00 – 14:50	Re-imagining the Way Cybersecurity Research, Innovation, and Training are Performed in Europe Armands Meirāns, Mārtiņš Švirksts, Kirchner Florent, Artsiom Yautsiukhin, Marius Momeu, Ginta Majore, Kārlis Podiņš
13:50 – 14:00	Break		
14:00 – 14:50	Using Qualitative and Reliable Information to Promote Security in the 21st Century Sarmīte Rozentāle, Madara Pratt, Oskars Java, Sanita Meijere		
14:50 – 15:00	Break	14:50 – 15:30	Break
15:00 – 15:50	Sustainable Development for a Secure Society Mahendar Reddy Gavinolla, Suneeth Bosipoina Golla, Tatjana Koor, Romy Tuli	15:30 – 17:00	Remote Sensing and Environmental Modelling Ginta Majore, Andris Lapāns, Karel Charvat, Michal Kepka, Ieva Kalniņa, Ilze Dimante, Māra Bleidere
15:50 – 16:00	Break		
16:00 – 16:50	Latvian Heritage and Future Challenges for the Country's Sustainability: Research in the COVID-19 Era Agnese Dāvidsone, Baiba Rivža, Daina Bleiere, Māris Andžāns		
16:50 – 17:35	PhD, Professor Andra Siibak, University of Tartu Keynote speech “You either love it immediately, or you hate it. Reflections and experiences of Estonian employees with microchip implants”		
17:35 – 17:50	Closing remarks and conclusions		

Detailed Program

Keynote Speeches

10:15 – 11:00 Digitalisation and CyberSecurity – Opportunities and Challenges for Industry 4.0

Dr.oec., Professor **Juris Binde**, President of the Latvia Mobile Telephone

16:50 – 17:35 You either love it immediately, or you hate it. Reflections and experiences of Estonian employees with microchip implants

PhD, Professor **Andra Siibak**, University of Tartu

Panel Discussions

11:10 – 12:00 Focusing on the Public Sector's Communication in Turbulent Times: Drawing Conclusions from the Recent Experience and Drafting Future Steps

Panel host Dr.sc.comm. **Olga Kazāka**, Partner at A.W. Olsen & Partners

Participants of the panel:

Dr.hist. **Gatis Krūmiņš**, Associate Professor and Leading Researcher at Vidzeme University of Applied Sciences
“The Country's Long-term Strategy and Its Strategic Communications in Changing Conditions”

Dr.sc.pol. **Ieva Bērziņa**, Associate Professor at Vidzeme University of Applied Sciences, Senior Researcher at Center for Security and Strategic Research, National Defence Academy of Latvia
“Government Crisis Communication Model in Comprehensive National Defence System: the Case of Latvia”

Mg.sc.soc. **Katrina Sudakova**, Vidzeme University of Applied Sciences
“Strategic Communication in Change Management: What Does Usage of Involvement as Dimension of Change Communication Reveal of a Possible Change Management Model? Case of an Administrative Territorial Reform in Latvia”

Doctoral student **Ieva Zaumane**, Lecturer at Vidzeme University of Applied Sciences
“Strategic Planning of an Internal Communication as Core Factor for Organizational Resilience in Time of Change”

Mg.sc.soc. **Inīta Blačforda**, Vidzeme University of Applied Sciences
“The Role of Communication Managers on Implementing Strategic Communication in the Public Administration of Latvia”

13:00 – 13:50 Monitoring Devices for Human and Sea Health and Security

Panel host PhD **Michal Kepka**, Researcher at New Technologies for the Information Society Research Center, University of West Bohemia in Pilsen

Participants of the panel:

Dr.sc.ing. **Linda Lancere**, Researcher at Vidzeme University of Applied Sciences
“Technological solutions for low back pain physical therapy real time monitoring”

Dr.sc.ing. **Mohcine Boudhane**, Researcher at Vidzeme University of Applied Sciences
“Fish Monitoring System: From the Artificial to the Real Environment”

PhD student, **Kebira Azbeg**, Hassan II University of Casablanca
“Blockchain-based System for Securing IoT Healthcare Monitoring Devices”

Dr.phys. **Ojārs Balcers**, Researcher at Vidzeme University of Applied Sciences
“A Method-based Feature Extraction and Object Recognition for Underwater Imaging”

14:00 – 14:50 Using Qualitative and Reliable Information to Promote Security in the 21st Century

Panel host Dr.phys. **Atis Kapenieks**, Scientific Advisor at Vidzeme University of Applied Sciences

Participants of the panel:

Dr.oec. **Sarmīte Rozentāle**, Professor and Leading Researcher at Vidzeme University of Applied Sciences
“Motivation and Challenges of Teleworking Employees of Educational Institutions in Latvia during COVID-19”

Mg.oec. **Madara Pratt**, Lecturer and Research Assistant at Vidzeme University of Applied Sciences
“The Use of Big Data and Machine Learning Algorithms for Improving Employee Satisfaction and Prediction of Attrition”

PhD candidate **Oskars Java**, Research Assistant and Guest Lecturer at Vidzeme University of Applied Sciences
“Usage of Eye Tracking to Explore the Information Search Habits of Target Groups and the Role of the National Library of Latvia Resources in the Information Portfolio”

PhD candidate **Sanita Meijere**, Faculty Member at Riga Technical University Riga Business School
“Payment Services Directive II Strong Customer Authentication for E-commerce to Facilitate Trust in Online Purchases by Increasing Security of the Transactions and Leading to the Growth of E-commerce”

15:00 – 15:50 Sustainable Development for a Secure Society

Panel host Dr.paed. **Jānis Kapenieks**,
Researcher at Riga Technical University Distance Education Study Centre

Participants of the panel:

Dr.oec. **Agita Liviņa**, Professor at Vidzeme university of Applied Sciences, Director and Leading Researcher of HESPI

“State of the Research on Teacher Education and Sustainability: A Bibliometrics Analysis”

Suneeth Bosipoina Golla, President of the Confederation of Tourism Students

“Tracing the Sustainability Components in the Indian Tourism Curricula: An Exploratory Study”

MSc **Marika Kose**, Lecturer of nature tourism in the Estonian University of Life Sciences, MSc **Tatjana Koor**, Lecturer in tourism management at the University of Tartu Pärnu College

“Developing an Environmental Impact Assessment Methodology for Disc Golf Course”

PhD **Romy Tuli**, Assistant Professor S.S.D Girls’ College, Bathinda, Punjabi University Patiala

“Technology and Science Fiction: Decentering Human Autonomy”

16:00 – 16:50 Latvian Heritage and Future Challenges for the Country’s Sustainability: Research in the COVID-19 Era

Panel host Dr.hist. **Gatis Krūmiņš**, Associate Professor and Leading Researcher at
Vidzeme University of Applied Sciences

Participants of the panel:

PhD **Agnese Dāvidsone**, Dean of faculty, Associate Professor and Researcher at Vidzeme University of Applied Sciences

Dr.oec. **Baiba Rivža**, Professor at Latvia University of Life Sciences and Technologies

Dr.hist. **Daina Bleiere**, Leading Researcher at Institute of Latvian History of University of Latvia

Dr.sc.pol. **Māris Andžāns**, Lecturer at Riga Stradins University

Workshops

13:00 – 14:50 Re-imagining the Way Cybersecurity Research, Innovation, and Training are Performed in Europe

Workshop host **Armands Meirāns**, Latvia Mobile Telephone

Presentations:

Mārtiņš Švirksts, Latvia Mobile Telephone
Study “Cyber Security from MNO perspective”

Kārlis Podiņš, CERT.LV
Study “Digitizing Elections – Why Distributed Analog Systems are Hard Problems”

Dr.sc.ing. **Ginta Majore**, Vidzeme University of Applied Sciences
Study “ARTSS Method for Modelling Resilient and Secure Services: Telemedicine Case”

Participants of the workshop:

Kirchner Florent, The French Alternative Energies and Atomic Energy Commission

Artsiom Yautsiukhin, Istituto di Informatica e Telematica

Marius Momeu, Technical University of Munich

15:30 – 17:00 Remote Sensing and Environmental Modelling

Workshop host Dr.sc.ing. **Ginta Majore**, Vidzeme University of Applied Sciences

Presentations:

Dr.sc.ing. **Ginta Majore**, Mg.sc.ing. **Andris Lapāns**, Vidzeme University of Applied Sciences
Study “Application of Remote Sensing Data for Simulation Modelling: Case Study of Potato Breeding”

Dr. **Karel Charvat**, Czech Centre for Science and Society, WirelessInfo, Plan4all
Study “Experiences With Usage Time Series of Sentinel 1 and Sentinel 2 from Czech and Latvia”

Participants of the workshop:

Michal Kepka, New Technologies for the Information Society Research Center, University of West Bohemia in Pilsen

Ieva Kalniņa, Vidzeme Planning Region

Ilze Dimante, Institute of Agricultural Resources and Economics

Māra Bleidere, Institute of Agriculture Resources and Economics

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