



## DAY 1 - OCTOBER 20<sup>TH</sup>

09:15-09:30 / Opening Session

### Welcome and Introduction iDSC 2021

Helmut Leopold - Head of Center for Digital Safety & Security, AIT Austrian Institute of Technology; Peter Haber, Salzburg University of Applied Sciences

09:30-10:00 / KEYNOTE

### Value Generation through Artificial Intelligence and Big Data

Cornelia Schaurecker, Big Data & AI Director, Vodafone Group

### Predictive Maintenance and Hyperparameter optimization in the Industrial setting:

Chair: Sebastian Hegenbart, Senior Lecturer, Artificial Intelligence, University of Applied Sciences Vorarlberg

10:00-10:30

Research Track

### Evaluation of Hyperparameter-Optimization Approaches in an Industrial Federated Learning System

Stephanie Holly, TU Wien

10:30-11:00

Research Track

### Towards Robust and Transferable IIoT Sensor based Anomaly Classification using Artificial Intelligence

Jana Kemnitz, Siemens AG Austria

11:00-11:30

Research Track

### Data-driven Cut-off Frequency Optimization for Biomechanical Sensor Data Pre-Processing

Severin Bernhart, Salzburg Research Forschungsgesellschaft m. b. H.

11:40-12:20 / KEYNOTE

### Enabling the Circular Economy using Smart Data

Mario Drobnics, Head of Competence Unit Cooperative Digital Technologies, AIT Austrian Institute of Technology

### Scalability of Business Models, Infrastructure and Software in Industrial Settings:

Chair: Karl-Heinz Weidmann, Deputy Head of the University of Applied Sciences Vorarlberg, Head of Department of Computer Science, Vorarlberg University of Applied Sciences

12:20-12:50

Industry Track

### Beyond Desktop Computation: Challenges in Scaling a GPU Infrastructure

Martin Uray, Salzburg University of Applied Sciences

12:50-13:20

Industry Track

### Scaling Artificial Intelligence in Industrial Applications

Florian Niszl, Siemens AG Austria

13:20-13:50

Industry Track

### Generation of Data-Driven Business Models for Hydraulic Lifting Solutions

Christoph Gugg, PALFINGER AG

13:50-14:30 / KEYNOTE

### The Data Mesh

Mario Meir-Huber, Head of Data, UNIQA Insurance Group AG

### Deep Learning based Anomaly Detection and Scene Classification:

Chair: Michael Gadermayr, Senior Lecturer, Machine/Deep Learning, Salzburg University of Applied Sciences

14:30-15:00

Research Track

### A Low-Complexity Deep Learning Framework For Acoustic Scene Classification

Lam Pham, AIT Austrian Institute of Technology

15:00-15:30

Research Track

### Anomaly Detection in Medical Imaging - a mini Review

Maximilian Ernst Tschuchnig, Salzburg University of Applied Sciences

15:30-16:00

Research Track

### Deep Learning Frameworks Applied For Audio-Visual Scene Classification

Alexander Schindler, AIT Austrian Institute of Technology

16:00-16:30

Industry Track

### Hybrid Method for Targeted Conversations in Online Classified Marketplace

Yasamin Rahimi, Divar Company, University of Tehran, Iran Hesam Haddad, Data Scientist, Divar Company

16:30-17:00

Industry Track

### Minimal-Configuration Anomaly Detection for IIoT Sensors

Clemens Heistracher, AIT Austrian Institute of Technology



## DAY 2 - OCTOBER 21<sup>ST</sup>

09:00-09:40 / KEYNOTE

### Open Science with Closed Data

Prof. Allan Hanbury, Professor of Data Intelligence,  
Institute of Information Systems Engineering TU Wien

### Security and Data Integrity in Machine Learning:

Chair: Ross King, Head of Competence Unit Data Science &  
Artificial Intelligence, AIT

09:40-10:10

Research Track

### Toward Applying the IEC 62443 in the UAS for Secure Civil Applications

Abdelkader Shaaban, AIT Austrian Institute of Technology

10:10-10:40

Research Track

### IAIDO: A Framework for Implementing Integrity-Aware Intelligent Data Objects

Eric Davis, Galois, Inc, USA

10:40-11:10

Industry Track

### Fair AI

Annalisa Cadonna, Crayon Austria GmbH

11:10-11:40

Industry Track

### How Cyber Security Threat Modeling keeps your Organisation Innovative

Orsolya Németh, Sparx Services CE

11:40-12:10

Industry Track

### Secure Cloud Connect Flexible Systems to Reach High Security Levels in the Communication with Machines and in their Maintenance

Nikolaus Dürk, X-Net Services GmbH

12:10-12:50 / KEYNOTE

### How to manage Data Governance in an Agile Way

Günther Tschabuschnig - CIO at ZAMG and President of DIO  
www.dataintelligence.at, Zentralanstalt fuer Meteorologie und  
Geodynamik - ZAMG

Natascha Totzler - Product- & Project-Management, Nexyo

12:50-13:20

Break

### NLP based optimization methods:

Chair: Thomas Heistracher, Head of Computer Science and  
Software Engineering, Salzburg University of Applied Sciences

13:20-13:50

Research Track

### Reducing Operator Overload with Context- Sensitive Event Clustering

Johannes Schneider, University of Liechtenstein

13:50-14:20

Research Track

### Dynamic Review-based Recommenders

Kostadin Cvejovski, Fraunhofer IAIS

14:20-14:50

Industry Track

### Text Based Category Code Machine Learning Classification for SmartProcurement Management System

Ali Atilla Arisoy, ENKA Systems, Turkey

### Strategic Approaches and Data Innovation:

Chair: Thomas Lampoltshammer, Deputy Head of the  
Centre for E-Governance, Danube University Krems

14:50-15:20

Industry Track

### Strategic Approaches to the Use of Data Science in SMEs - A Regional Case Study

Cornelia Ferner, Salzburg University of Applied Sciences

15:20-15:50

Industry Track

### Data Ecosystems - An Incubator for Data Innovation

Lisa Höllbacher, nexyo GmbH

15:50-16:00 / CONFERENCE CLOSING

### Farewell and Outlook 2022

Thomas Lampoltshammer, Danube University Krems  
Peter Haber, Salzburg University of Applied Sciences