

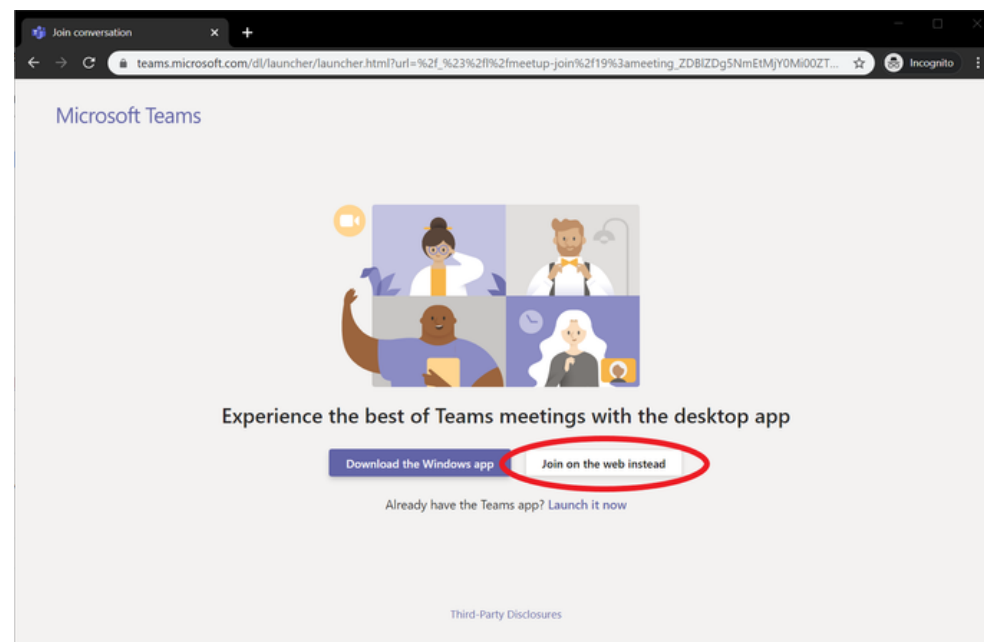


How to participate

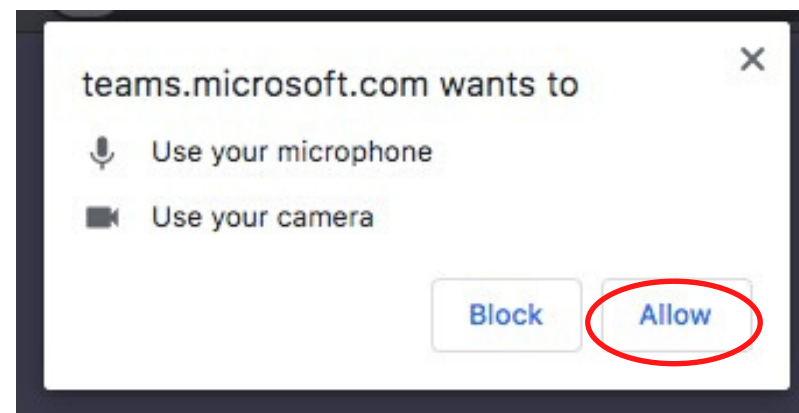
The FH Vorarlberg recommends the participation via computer using the browsers **Chrome or Microsoft Edge**, so that you can participate directly online without prior installation of the MS Teams app.

Please check BEFORE the conference date whether you can enter the virtual rooms without any problems. You can try this at any time with the provided invitation links.

1. With all three links you can participate by clicking on "Join on the web instead"

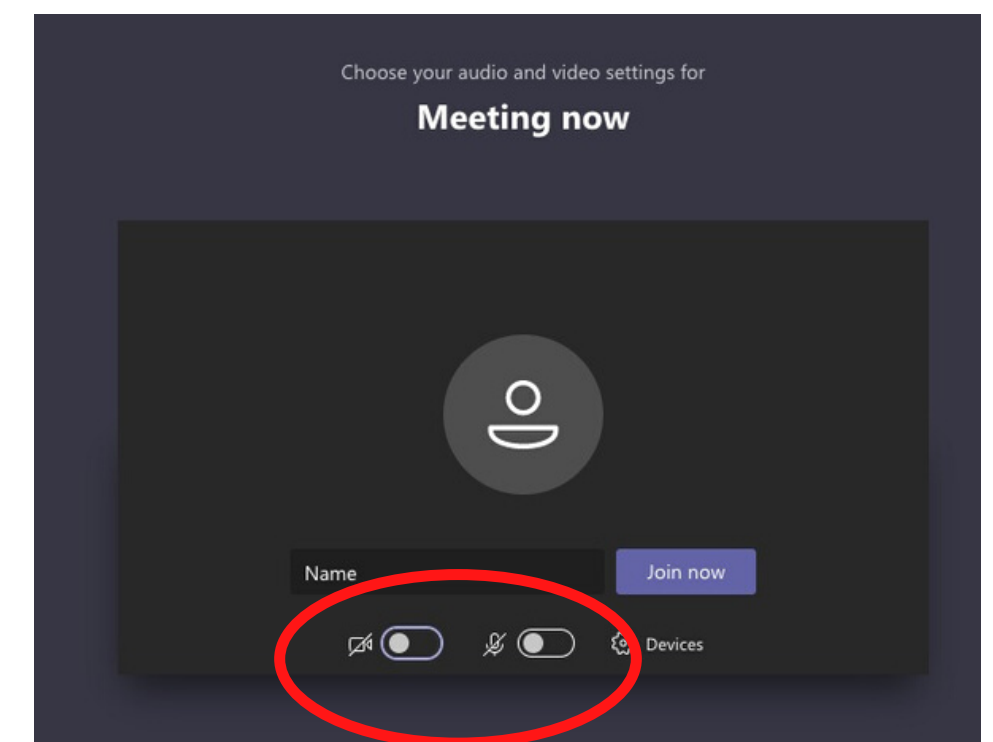


2. Allow MS Teams to use your microphone and camera



3. Enter your name and please **deactivate** camera and microphone

4. Click on "Join now"

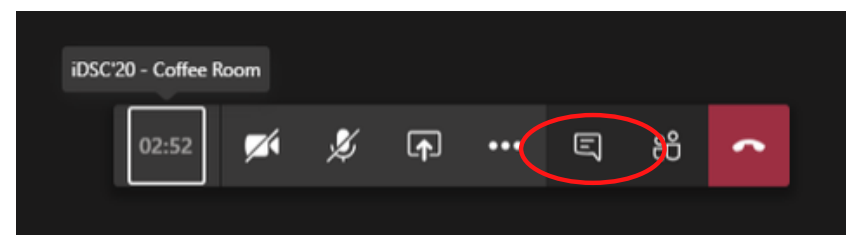




How to participate

5. Now you are in iDSC'20!

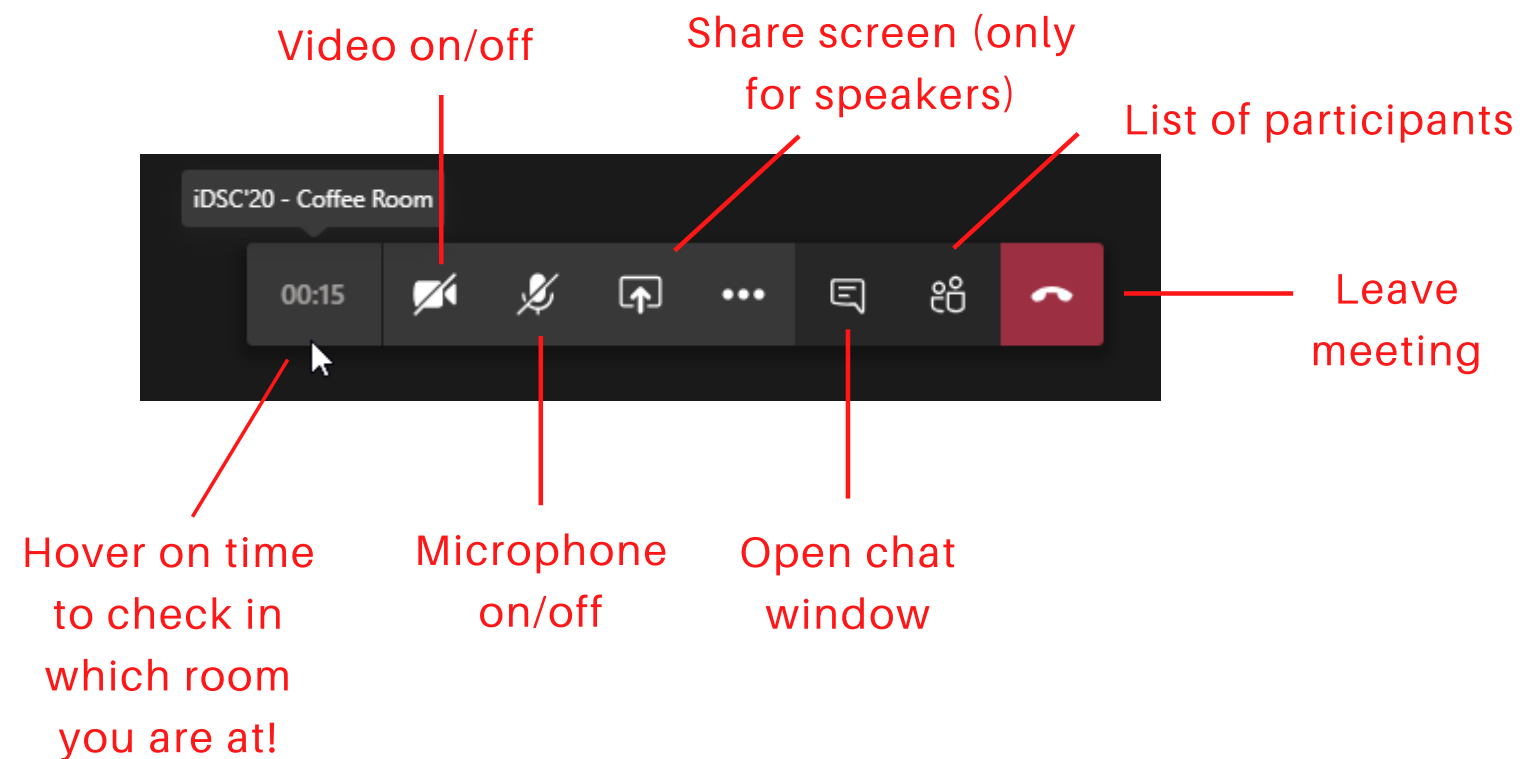
6. If you want to ask a question via chat, please click on the speech bubble



7. This will open the meeting chat, where you can see your questions and those of the other participants

7. a) *If your question refers to one of our speakers, please write "QUESTION:" + your question*

8. Here are some more essential functions:



Technical questions? Please send a message to office-fhv@idsc.at



How to participate

Further recommendations to make your virtual experience smoother:

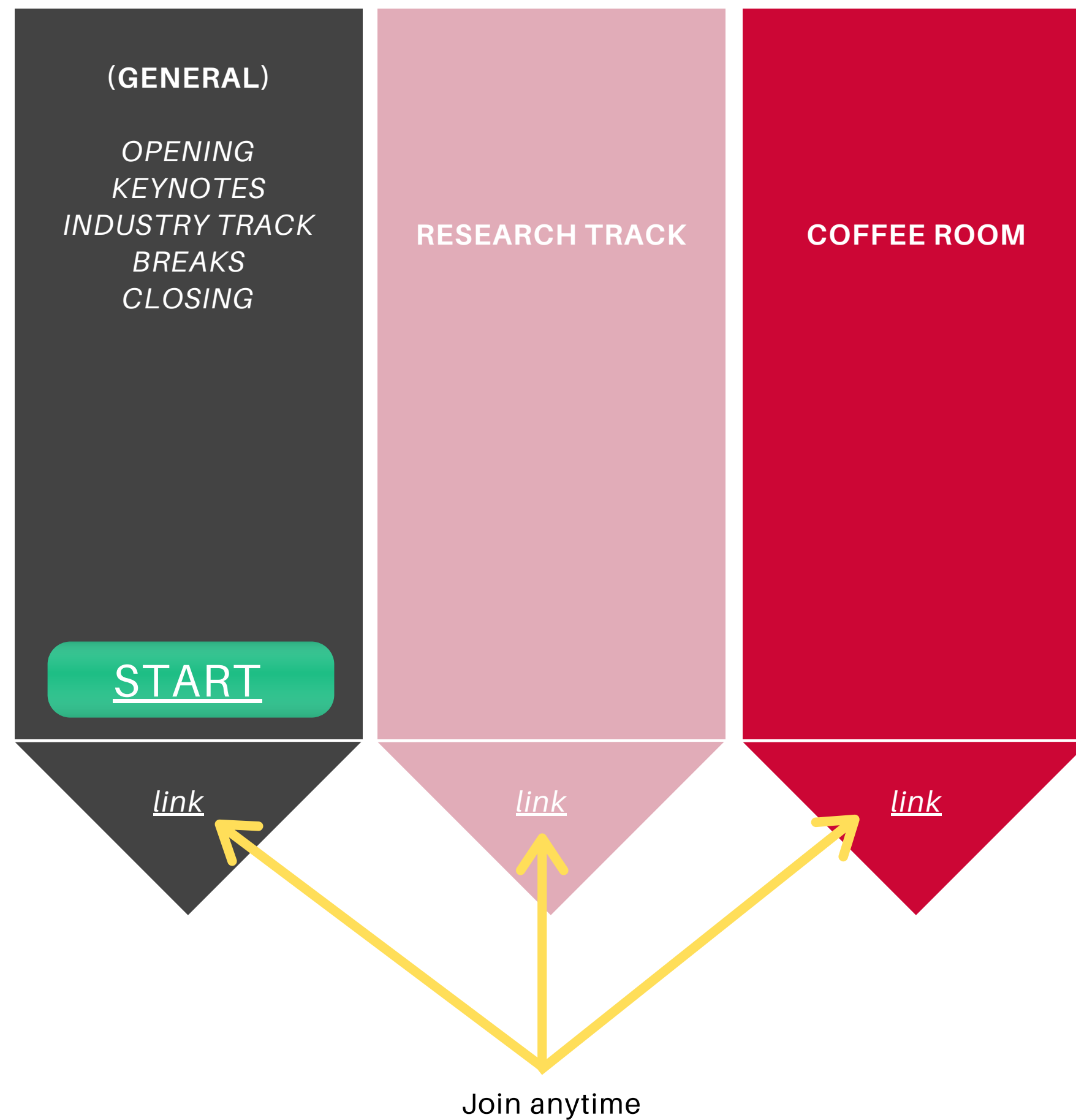
- Deactivate **chat notifications** to avoid chat pop-ups from other rooms
- Make sure **not** to be in two **rooms simultaneously**
- If you wish to use **MS Teams app**, join the conference with **EITHER** the app **OR** the web version but not both!
- Should you have **technical issues** during the conference join the **COFFEE ROOM** and we will try to solve it for you
- We recommend to have the agenda (including links) at hand during the conference

Technical questions? Please send a message to office-fhv@idsc.at



Online set-up

Virtual Rooms



MORNING SESSIONS

COFFEE ROOM

08
45

GENERAL

OPENING

09
00

GENERAL

KEYNOTE: GERD ANTES - Evidence vs. Artificial Intelligence and Big Data - competitors or partners?

09
30

INDUSTRY TRACK

I01: AUTOMATION AND DIGITALIZATION IN THE MANUFACTURING INDUSTRY

Chair: Alicia Manglano

KEYNOTE: Boosting Steel - Data Science at Liebherr ([Andreas Schwarzhans](#), LIEBHERR)

1. Digitalization in production - From the big picture to a dedicated solution (*Lukas Prasol*)
2. Multidimensional Sequential Pattern to Find Causes of Problems (*Zornica Vaskova Vasileva*)

09
30

RESEARCH TRACK

R01: DATA SCIENCE FRAMEWORKS

Chair: Ralph Hoch

1. CRISP-DM Based Data Mining Methodology for Tribological Optimisation (*Samuel Saleh Bitrus*)
2. An Easy-to-Use Execution Environment for the Parallelisation of Computationally Intensive Data Science Applications (*Sabrina Rosmann*)
3. Symbolic Music Text Fingerprinting: Automatic Identification of Musical Scores (*Michele Della Ventura*)

10
30

GENERAL

Break (15')

10
45

GENERAL

KEYNOTE: PAUL ALEXANDRU BUCUR - Explainable models for the prediction of vibroacoustic quality in the automotive industry

11
15

INDUSTRY TRACK

I02: MODELING AND SIMULATION OF PHYSICAL OBJECTS

Chair: Robert Merz

KEYNOTE: Machine Learning and Data Science use cases for materials and components testing ([Roger Herger](#), thyssenkrupp Presta)

1. Simulating a cyber-physical system for behavior of elderly persons (*Maximilian Arbeiter*)
2. Modelling of Human Behaviour and Detection of Exceptions (*Tanja Maier*)

11
15

RESEARCH TRACK

R02: BAYESIAN ANALYSIS

Chair: Sebastian Hegenbart

1. Bayesian A/B Testing for Business Decisions (*Shafi Kamalbasha*)
2. Outlier detection in Bioinformatics with Mixtures of Gaussian and heavy-tailed distributions (*Alexandra Posekany*)
3. Uncertainty aware deep point based neural network for 3D object classification (*Christina Petschnigg*)

12
15

GENERAL

Lunch Break (45')



Click on the agenda to join the different rooms!

AFTERNOON SESSIONS

01 00	GENERAL	KEYNOTE: HELMUT LEOPOLD - AI Reality & Limits
01 30	INDUSTRY TRACK	I03: EXPERIENCES AND SOLUTIONS FOR COMPANIES USING AI Chair: Alicia Manglano KEYNOTE: Delivering impactful AI solutions (Florian Rosenberg, CRAYON) 1. Live Quality Validation Criteria for Executing a Test Set: A Heuristic Approach for Text Documents (<i>Frederick Bednar</i>) 2. Introducing Natural Language Interface to Databases for Data-Driven Small and Medium Enterprises (<i>Dejan Radovanovic</i>)
01 30	RESEARCH TRACK	R03: OPTIMIZING METHODS FOR DATA SCIENCE Chair: Ralph Hoch 1. Comparison of solution approaches for the propagation of quality requirements of steering gears (<i>Philipp Armbrust</i>) 2. Forecast Aggregation and Error Comparison: An Empirical Study (<i>Joshua Beal</i>) 3. Persistent Homology in Data Science (<i>Stefan Huber</i>)
02 30	GENERAL	Break (15')
02 45	INDUSTRY TRACK	I04: SMART APPLICATIONS Chair: Robert Merz 1. An Introduction to Graph Databases for Business Intelligence (<i>Frank Blau</i>) 2. Artificial Intelligence - from Rocket Science to Operational Efficiency (<i>Sinan Tankaz</i>) 3. Profit-maximizing Approach in Uplift Modelling: Evidence from the Media-service Provider (<i>Daniil Pozdeev</i>) 4. Physical-Statistical Modelling of Micro-Meteorology in an Alpine-Valley serving as Input to an Online-Pollutant-Dispersion-Simulation (<i>Gunter Spoeck</i>)
02 45	RESEARCH TRACK	R04: DEEP LEARNING APPLICATIONS Chair: Sebastian Hegenbart 1. Personalization of Deep Learning (<i>Johannes Schneider</i>) 2. DeepMAL - Deep Learning Models for Malware Traffic Detection and Classification (<i>Pedro Casas</i>) 3. NetSEC at High-Speed: Distributed Stream Learning for Security in Big Networking Data (<i>Pedro Casas</i>) 4. Human Migration as a Complex Network: Appropriate Abstraction and the Feasibility of Network Science Tools (<i>Dino Pitoski</i>)
03 45	GENERAL	KEYNOTE: CLEMENS WASNER - Status Quo of AI in Austria & Future Trends
04 15	GENERAL	CLOSING

COFFEE ROOM



Click on the agenda to join the different rooms!