8:30 AM - 9:00 AM  |  Registration with coffee
9:00 AM - 9:15 AM  |  Welcome By Prof. Olga Fink, EPFL
9:15 AM - 9:35 AM  |  Autonomous Robots for Industrial Inspection
          |  By Dr. Harmish Khambhaita, ANYbotics
9:35 AM - 9:55 AM  |  Autonomy and Me: Creating a Cyber Physical System to allow for scalable Multi-Robot Fleets
          |  By Sam Harper, University of Glasgow
9:55 AM - 10:15 AM |  Autonomous Inspection with Drones
          |  By Prof. Dr. Davide Scaramuzza, University of Zurich
10:15 AM - 10:45 AM |  Session Q&A and Discussion Chair: Prof. Olga Fink
11:15 AM - 11:35 AM |  Grid 4.0 – Digital Solutions for Axpo’s Grid Business
          |  By Johannes Manser, Axpo Grid AG
          |  By Philipp Wenk, SBB
11:55 AM - 12:15 PM |  Session Q&A and Discussion Chair: Kai Hencken
1:30 PM - 1:50 PM  |  Fast Time Series Analytics for Fault Detection, Diagnostics, and Prognostics
          |  By Dr. Daniel Nikovski, Mitsubishi Electric Research Labs (MERL)
1:50 PM - 2:10 PM  |  Unsupervised Test-Time Domain adaptation for Road Damage Detection applied to different Countries
          |  By Ismail Nejjar, EPFL
2:10 PM - 2:30 PM  |  Asset Integrity Inspection of Subsurface Defects and Foresight Sensing via Millimeter-wave Radar
          |  By Daniel Mitchell, University of Glasgow
2:30 PM - 3:00 PM  |  Session Q&A and Discussion Chair: Pierre Dersin
3:30 PM - 3:50 PM  |  Towards Global Smart Maintenance for Thermal Spray Equipment
          |  By Dr. Majid Nabavi, Oerlikon Surface solutions
3:50 PM - 4:10 PM  |  Challenges of PHM applications in the context of pharmaceutical packaging machines
          |  By Dr. Andreas Steur, Uhlmann Pac-Systeme
4:10 PM - 4:30 PM  |  Session Q&A and Discussion Chair: Riccardo Ferrari
8:30 AM - 9:00 AM  Registration with coffee
9:00 AM - 9:15 AM  Welcome  By Prof. Olga Fink, EPFL

8:30 AM  Day 2  7. September

9:15 AM - 9:35 AM  Monitoring and Management of Data Centers in the Internet-of-Things Era  By Prof. Dr. David Atienza Alonso, EPFL
9:35 AM - 9:55 AM  Development of Intelligent maintenance capabilities for machine tools through Industrial cloud-based IoT systems  By Roberto Perez, GF Machining Solutions
9:55 AM - 10:15 AM  Implementing a BigData platform to predict track condition & degradation - Current Insights  By Erik Pinter, ÖBB-Infrastruktur AG
10:15 AM - 10:45 PM  Session Q&A and Discussion  Chair: Fazel Ansari

11:15 AM - 11:35 AM  Acoustic monitoring based on Learnable wavelet transform  By Gaetan Frusque & Baorui Dai, EPFL
11:35 AM - 11:55 AM  Unsupervised learning for quality control in automated manufacturing for the automotive industry  By Dr. Roman Klis, Johnson Electric
11:55 AM - 12:15 PM  Session Q&A and Discussion  Chair: Bruce Stephen

1:30 PM - 1:50 PM  Mapping underground utilities with ground penetrating radar and machine learning  By Tobias Bösch Borgards, Hexagon Technology Center GmbH
1:50 PM - 2:10 PM  Mobile Mining Machinery, monitoring when fault modes are plentiful and sensors few  By Dr. Erik Jacobsson, Epiroc
2:10 PM - 2:30 PM  Session Q&A and Discussion  Chair: Roberto Castello

3:00 PM - 3:20 PM  Knowledge-Based Maintenance as an Enabler and Driver of Efficient and Sustainable Production Management  By Dr.-Ing. Fazel Ansari, TU Wien
3:20 PM - 3:40 PM  Towards full-lifecycle bearing health state monitoring: Challenges and opportunities  By Dr. Cees Taal, SKF
3:40 PM - 4:00 PM  Session Q&A and Discussion  Chair: Florent Forest

4:00 PM - 5:00 PM  Panel discussion: common challenges and potential solutions across different industries and applications  Panelists: Cees Taal, Fazel Ansari, Roberto Perez and Riccardo Ferrari  Moderator: Olga Fink

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