After three successful conferences, it is time to anchor the conference internationally. The SMC Conference becomes now the

**Intelligent Maintenance Conference**

This change of name does not change our objectives: to be place to share fruitful discussions on predictive maintenance between experts from the industry and from the academic world.

**Online Venue**

https://www.intelligent-maintenance.ch/
08 September 2020

**Session Chair:** Dr. Kai Hencken

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<th>Time</th>
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<td>9:20 – 9:35</td>
<td>Introduction</td>
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<td>9:35 – 10:00</td>
<td>Managing Streamed Sensor Data for Mobile Equipment Failure Prediction</td>
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<td><strong>Prof. Melinda Hodkiewicz</strong> University of Western Australia</td>
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<td>10:00 – 10:25</td>
<td>Machine Learning in Space Operations</td>
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<td><strong>José Martínez Solenix</strong></td>
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<td>10:25 – 10:50</td>
<td>Improving Operation and Maintenance of Hydropower Plants with Data</td>
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<td><strong>Mathias Pawlowski</strong> Axpo</td>
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<td>10:50 – 11:15</td>
<td>Case studies in remote asset management, location based services and robotics in hostile environments.</td>
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<td><strong>Agnes Fritsch</strong> Altran</td>
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<td>11:15 – 12:00</td>
<td>Further Discussions and Networking</td>
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<td>12:00 – 13:30</td>
<td>Lunch Break -- Meet Our Sponsor -- One-to-One Meetings</td>
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<td>13:30 – 13:55</td>
<td>Maintenance at SBB: from smart to clever!</td>
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<td><strong>Michel Kunz</strong> SBB</td>
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<td>13:55 – 14:20</td>
<td>Shunting Trains with Deep Reinforcement Learning</td>
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<td><strong>Dr. Wan-Jui Lee</strong> Dutch Railways</td>
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<td>14:20 – 14:45</td>
<td>Digital Services for Traffic Management Systems</td>
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<td><strong>Salomé Iglesia</strong> Siemens Mobility</td>
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<td>14:45 – 15:10</td>
<td>Machine Learning for Vehicle Health Estimation: Methods and Use Cases</td>
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<td><strong>Dr. Oliver Cassebaum, Andreas Udo Sass</strong> Digital Ecosystem, Volkswagen AG</td>
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<td>15:10 – 16:00</td>
<td>Further Discussions and Networking</td>
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09 September 2020

9:30 - 9:55  
Session Chair: Shalini Trefzer  
Smart Maintenance for Smart Mobility: Experience, Perspectives and Challenges  
Dr. Pierre Dersin  
Alstom Digital Mobility

9:55 - 10:20  
Digitalization at Infrabel  
Jan Mys  
Infrabel

10:20 - 10:45  
The journey in railway analytics powered by AI: Towards railway 4.0  
Prof. Diego Galar  
Lulea University

10:45 - 11:15  
Further Discussions and Networking

11:15 - 12:15  
Panel Chair: Prof. Olga Fink  
PANEL  
From idea to implementation: challenges and lessons learnt along the way  
Jan Mys (Infrabel), Dr. Pierre Dersin (Alstom), Dr. Matthias Graeber (Bühler)

12:15 - 13:30  
Lunch Break -- Meet Our Sponsor -- One-to-One Meetings

13:30 - 13:55  
Session Chair: Prof. David W. Coit  
Intelligent maintenance in food and feed processing  
Dr. Matthias Graeber  
Bühler

13:55 - 14:20  
Domain Adaptation for data-driven fault diagnosis  
Qin Wang  
ETH Zurich

14:20 - 14:45  
AI-enabled Predictive Maintenance Digital Twins for Industrial Systems  
Dr. Abhinav Saxena  
GE Global Research

14:45 - 15:15  
Further Discussions and Networking

15:15 - 15:50  
Keynote Chair: Prof. Olga Fink  
Closing Keynote  
Prognostics for Systems Health Management Model and Hybrid Based Approaches: Where are we heading?  
Dr. Chetan Kulkarni  
NASA Ames

15:50 - 16:00  
Closing Remarks