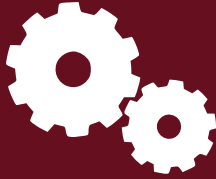# 2020 **I**ntelligent **M**aintenance **C**onference

08 & 09 September 2020

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/

Program

08 September 2020

Time	Session
9:20 – 9:35	**Introduction**
9:35 – 10:00	Managing Streamed Sensor Data for Mobile Equipment Failure Prediction Prof. Melinda Hodkiewicz, Dr. Débora Corrêa University of Western Australia
10:00 – 10:25	Machine Learning in Space Operations José Martínez Solenix
10:25 – 10:50	Improving Operation and Maintenance of Hydropower Plants with Data Mathias Pawlowsky Axpo
10:50 – 11:15	Case studies in remote asset management, location based services and robotics in hostile environments. Agnes Fritsch Altran
11:15 – 11:35	Discussion
11:35 – 12:05	Networking
12:05 – 13:30	Lunch Break -- Meet Our Sponsor -- One-to-One Meetings
	Session Chair: Prof. Enrique Lopez Droguett
13:30 – 13:55	Maintenance at SBB: from smart to clever! Michel Kunz SBB
13:55 – 14:20	Shunting Trains with Deep Reinforcement Learning Dr. Wan-Jui Lee Dutch Railways
14:20 – 14:45	Digital Services for Traffic Management Systems Salomé Iglesia Siemens Mobility
14:45 – 15:10	Machine Learning for Vehicle Health Estimation: Methods and Use Cases Dr. Oliver Cassebaum, Andreas Udo Sass Digital Ecosystem, Volkswagen AG
15:10 – 15:30	Discussion
15:30 – 16:00	Networking

Program

09 September 2020

Time	Title	Speaker
9:30 – 9:55	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 Univesity
10:45 – 11:15	Further Discussions and Networking	

Panel Chair: Prof. Olga Fink

11:15 – 12:15	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

Session Chair: Prof. David W. Coit

Time	Title	Speaker
13:30 – 13:55	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 Zürich
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	

Keynote Chair: Prof. Olga Fink

15:15 – 15:50	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	

Details

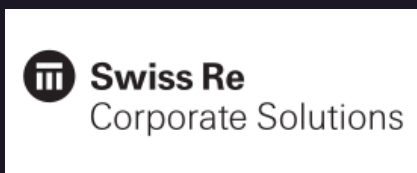## Organisation

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