Zurich University
of Applied Sciences

Artificial Intelligence in Industry and Finance

3rd European COST Conference on
Mathematics for Industry
Thursday, 6th September 2018

Schedule

08:30	Registration **(TN Foyer)**
09:00	Prof. Dr. D. Wilhelm: «Welcome and Introduction« **(TN E0.46-54)**
09:05	Prof. Dr. M. Pelillo: «Opacity, Neutrality, Stupidity: Three Challenges for Artificial Intelligence» **(TN E0.46-54)**

Key Note Presenter: Prof. Dr. Marcello Pelillo, Università Ca'Foscari Venezia/ European Centre for Living Technology

	Finance (TS O1.40)	**Industry (TN E0.46)**
10:00	Prof. Dr. P. Giudici: «Scoring models for roboadvisory platforms: a network approach»	Dr. C. Spindler: «Trust in AI: explainability and compliance»
10:30	Prof. Dr. D. Borth: «Deep Learning & Finance Markets: A disruption and opportunity»	M. Stampfli: «Rise of modern AI with Deep Learning in Industry and Robotics»
11:00	**Coffee (Foyer TN)**	**Coffee (Foyer TN)**
11:30	Prof. Dr. M. Loecher: «Pitfalls of variable importance measures in Machine learning»	Dr. T. Laino: «Optimizing aluminum alloy's manufacturing using AI»
12:00	Dr. D. Egloff: «Trade and Manage Wealth with deep reinforcement learning and memory»	M. Pereira: «Reinventing Freight Logistics with Data Science»
12:30	**Lunch (Foyer TN)**	**Lunch (Foyer TN)**
14:00	Prof. Dr. A. Hoepner: «Embracing AI Opportunities = (Humans*Teamwork)^Machine -1»	Dr. L. Hammerschmidt: «Big Data meets weather»
14:30	Dr. A. Petukhina: «Portfolio allocation strategies in cryptocurrency markets»	Dr. T. Stadelmann: «Lessons Learned from Deep Learning in Industry»
15:00	Dr. Y. Misteli: «Decision trees in Machine Learning»	Dr. V. Ziebart: «Artificial Intelligence for HVAC Systems»
15:30	**Coffee (Foyer TN)**	**Coffee (Foyer TN)**
16:00	A. M. Nowakowska: «Recommender systems for mass customization of finance advice»	Dr. S. Scheib: «AI for Oncology at Varian – Potential Applications and Opportunities»
16:30	Dr. J. Hakala: «Machine Learning applied to SLV Calibration»	Dr. T. Büttner: «Interpretability of Machine Learning Models»
17:00	Prof. Dr. M. Wildi: «FX-trading: challenging intelligence»	Dr. T. ter Braack: «Identifying and Prioritizing AI Applications»
17:30	**Apéro Riche (Foyer TN)**	**Apéro Riche (Foyer TN)**

	Focus Session (TN E0.54)
10:00	Prof. Dr. W. Breymann: «Short Overview»
10:15	F. Gross: «The economy as a network of contracts connecting a population of parties»
11:00	**Coffee (Foyer TN)**
11:30	Dr. W. Brammertz: «Smart Contracts: The Basic Building Blocks of Future Digital Banks»
12:00	The Honorable A. Mendelowitz: «Regulation 2.0: Stress Tests and Oversight of Financial Risk»
12:30	**Lunch (Foyer TN)**
14:00	Prof. Dr. P. Kavassalis: «Blockchain and Financial - Risk Reporting: system architecture and formal reasoning»
14:30	M. Sel: «How smart contracts can implement the policy objective of 'report once' »
15:00	Prof. Dr. K. Stockinger: «Data-Driven Financial Risk Modeling At Scale with Apache Spark»
15:30	**Coffee (Foyer TN)**
16:00	W. Breymann: «A Prototype Environment for Financial Risk Modeling»
16:30	Panel Discussion (S. Chadwick, A. Levy-Cohen, Dr. G. Williams, Prof. Dr. W. Breymann (Moderator)): «Next steps for real-world solutions»
17:30	**Apéro Riche (Foyer TN)**

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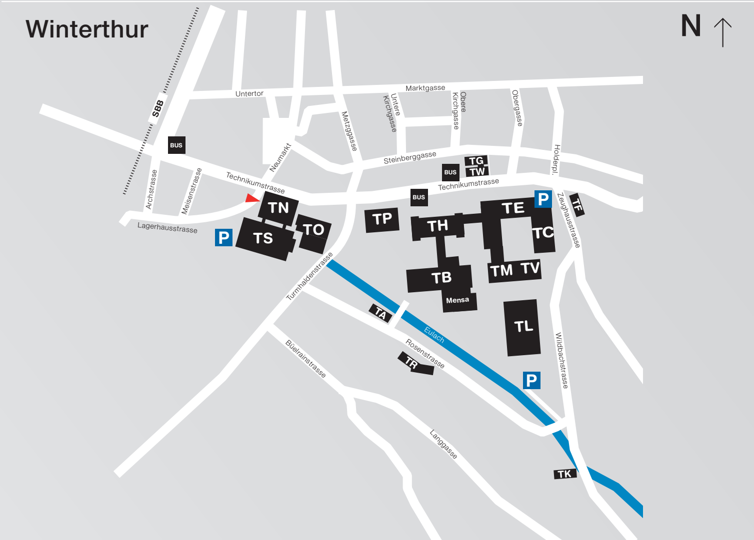

Place	ZHAW Winterthur, Eulachpassage, Technikumstrasse 71, 8401 Winterthur, Room TN E0.46/E0.54
Organisation Committee	Prof. Dr. Wolfgang Breymann Prof. Dr. Rudolf Füchslin Dr. Andreas Henrici Prof. Dr. Jörg Osterrieder Prof. Dr. Peter Schwendner Prof. Dr. Dirk Wilhelm