Industry Day 2018
Game-changing ideas

Wednesday September 5, ETH Zurich Campus Hönggerberg

Program

12:00 Registration, opening of the exhibition
13:30 Welcome
Prof. D. Günther, Vice President Research and Corporate Relations, ETH Zurich
13:40 Health & Food
Case Study: Roche, Dr. C. Fattinger, Prof. J. Vörös, Molography: A molecular hologram for diagnostics
Prof. S. Schürle, Point-of-care low-cost diagnosis of arthritis
Prof. M. Tibbitt, Minimally invasive drug delivery systems
Dr. M. Schmelcher, Bacteriophage endolysins as novel antimicrobials
ETH Spin-off: PharmaBiome, Next generation microbiome therapy
14:15 Data Science
Case Study: Zurich Insurance, G. Gunkel, Prof. C. Zhang, Automated visual document parsing
Prof. E. Konukoglu, Machine learning for image reconstruction and segmentation
Prof. L. Vanbever, Provably correct network operations
Prof. S. Feuerriegel, From data-driven predictions to management decision
ETH Spin-off: DataHow, Hybrid modeling and machine learning in manufacturing
14:50 Coffee break and exhibition
15:50 Mobility & Energy
Case Study: SBB, Dr. G. Caimi, Prof. F. Corman, Optimization of real-time railway traffic
Prof. G. Sansavini, Infrastructures and energy networks, risk and reliability, interdependencies
Prof. M. Raubal, Big movement data analytics
Prof. S. Hellweg, Sustainable waste and resource management
ETH Spin-off: Fixposition, Navigation for autonomous vehicles
16:25 Robotics & Manufacturing
Case Study: Henkel & Cie., Dr. C. Lehringer, Prof. A. Frangi, Fire safety of structural timber elements bonded with 1C PUR adhesives
Prof. S. Coros, Computational approaches to creating bespoke mobile robots
Prof. U. Angst, Corrosion inspection and monitoring
Prof. D. Hall, Building an Industry 4.0 platform for industrialized construction
ETH Spin-off: 9tlabs, Fiber reinforced materials through 3D printing
17:00 Closing remarks
Prof. D. Günther
17:10 Exhibition and networking