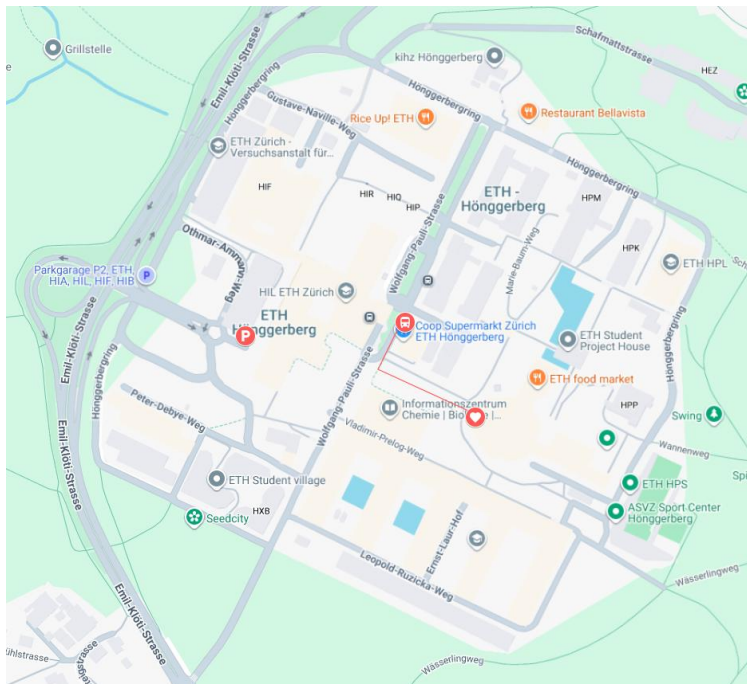


Programm

11. F&E Konferenz

Zeit	Nr.	Thema	Referierende
13.00		Begrüssung, Swissmem und ETH Zürich	Dr. Adam Gontarz, Prof. Dr. Effy Vayena
13.10		Keynote, ETH Zürich	Prof. Dr. Markus Bambach
13.25		Keynote, United Machining Solutions	Christoph Plüss
13.40		Plenumsession «Herausforderungen der Industrie»	HPH G2, 1. Stock
	01	Helbling Technik AG	Stefan von Bergen
	02	Siemens	Michael Kiy
	03	Kellenberger Switzerland AG	Michael Egeter
	04	Reishauer AG	Dr. Maximilian Zimmer
	05	Agathon AG	Dr. Stephan Scholze
	06	Belimo Automation AG	Dr. Elena Cortona
	07	ABB Research Center	Till Rümenapp
	08	Bystronic Group	Dr. Christoph Rüttimann
	09	Maxon Motor AG	Stephan Keller
	10	Innosuisse	Fabian Käser
14.35		Kaffeepause und Networking	
15.15		Parallelsessions	Detailprogramm auf der 2. Seite
16.30		Apéro und Posterausstellung	

Veranstaltungsort:



Link: maps.app.goo.gl/LWXHgZe3g4nqVhGS7

AI, Automation & Digital Twins

Auditorium (Raum HGH G2, 1. Stock)

Anmoderation, Philip Hauri

11 Der EU Data Act: Chancen und Perspektiven für datengetriebene Unternehmen	Marc Strittmatter, Susana Maria Soriano	Data Act Pioneer
12 Seamless Material Flow for Smarter Flexible Manufacturing	Simone Miele	OST
13 Unlocking Hidden Factory Knowledge: How AI Transforms Metal Machining	Pascal Weber	Manukai AG
14 Automating CNC tool inspection with AI	Alex Lichtenberger	Technum GmbH
15 Benchmarking Foundation Models for Industrial Time-Series Forecasting: Performance, Constraints, and the Path to Generalization	Ayumi Katsuya	HES-SO
16 Combining Physics-based and Data-driven Modeling for Building Energy Systems	Leandro von Krannichfeldt	EPFL
17 Unlock hidden savings in your supply chain	Philip Sieber-Gasser	Besso AG
18 Digital Twin for Robotic Manufacturing Applications	Sascha Weikert	inspire AG
19 Wireless Mesh Networks Routing Optimization using Machine Learning and Deep Learning	Yann Charbon	HEIG-VD
20 Free from Real Data: Synthetic-Driven Assembly Step Recognition	Hui Zhang	ETHZ
21 Computer vision for high-mix, low-volume production	Jonas Conrad	Sentinus AG
22 Agentic Physical AI - New Approaches to Embodied Intelligence in Robotics and Automation	Jorge Peña Queraltà	ZHAW
23 Multiview – AI-Integrated Optical Inspection System	David Hemmi	CSEM
24 European Funding for Research and Innovation in Industry	Matthew Whellens	Euresearch

Advanced Manufacturing & Materials

4. Stock (Raum HPV G4, 1. Stock)

Anmoderation, Marvin Schuster

25 Multi-axis 3D printing with granulates, fluids, endless fibers and more	Luca Paparo	OST
26 From manufacturing to materials and back	Konrad Papis	inspire AG
27 Accessible Metal 3D-Printing	Stephan Steiner	a-metal AG
28 Control of a Robot-Mounted Microactuator for High-Performance Milling	Rafael Sonderegger	ETHZ
29 Accelerating Aerospace Qualification in Metal Additive Manufacturing through Adaptive Toolpath Optimization	Huba Hörömpöly	Gravity Pull Systems SA
30 Universal, Bi-directional Real Time Communication For Digital Twins	Daniel Schmid	ZHAW
31 High resolution gravure printing	Jakob Heier	Empa
32 Cut Cost and Waste in DED with an AI-powered Digital Twin	Beatrice Paoli	FFHS
33 Accelerating innovation with new generative design tools	Manuel Biedermann	nureo AG
34 Automated design of connectors	David Gersinska, Raul San Miguel Peñas	Stäubli Electrical Connectors AG
35 Swiss Plasma Polishing - Plasma Electrolytic Polishing with a Jet	Yan Scholl	BFH
36 Lattice Structures in LPBF	Elischa Meier	FHNW
37 Process optimization and accelerated ramp-up in gear grinding	Francesco Crivelli	CSEM
38 High-precision micro-machining and precision-measurements of apertures made of carbides	Thomas Liebrich	RhySearch

Sustainability, IoT & Smart Systems

4. Stock (Raum HPV G5, 1. Stock)

Anmoderation, Adam Gontarz

39 Chemical Solvent Waste Reduction	Reinhard Berger	ZHAW
40 Life-like Robots: Musculoskeletal and Biohybrid Innovations for the Factory of the Future	Robert Katzschmann	ETHZ
41 Carbon Fibre Waste Reuse in Airborne Structures	Dejan Romančuk	HSLU
42 Plastic Waste as a Resource for Lightweight Structures	Markus Zogg	Inspire AG
43 Datenresilienz in der Produktion	Jens Weingaertner	JKS Engineering AG
44 AI-Driven Optical Inspection and 3D Metrology for Reliable Battery Cell Manufacturing	Silas Dietler	CSEM
45 Die Zukunft der Holzfasern: Nanocellulose und KI in der industriellen Fertigung	Teresa Alberts	ITficient AG
46 Building an AI-Powered Ecosystem for Intelligent, Sustainable Solar Operations	Danuta Paraficz	FFHS
47 Chat with your Data	Markus Krack	FHNW
48 Sustainable Soft Aerial Robotics for Climate and Conservation	Pham Huy Nguyen	Empa and EPFL
49 Mobile Robot for Floor Grinding	Mario Russi	CSEM
50 Der Digitale Produktpass: Herausforderungen und Chancen für die Industrie	Peter Krummenacher	BloqSens AG
51 Optimum Clustering for Multi-Border Router Wireless Mesh Networks	Mahboob Karimian	HEIG-VD
52 Decentralized intelligence in industrial automation	Michael Schmid	Compact Motion GmbH