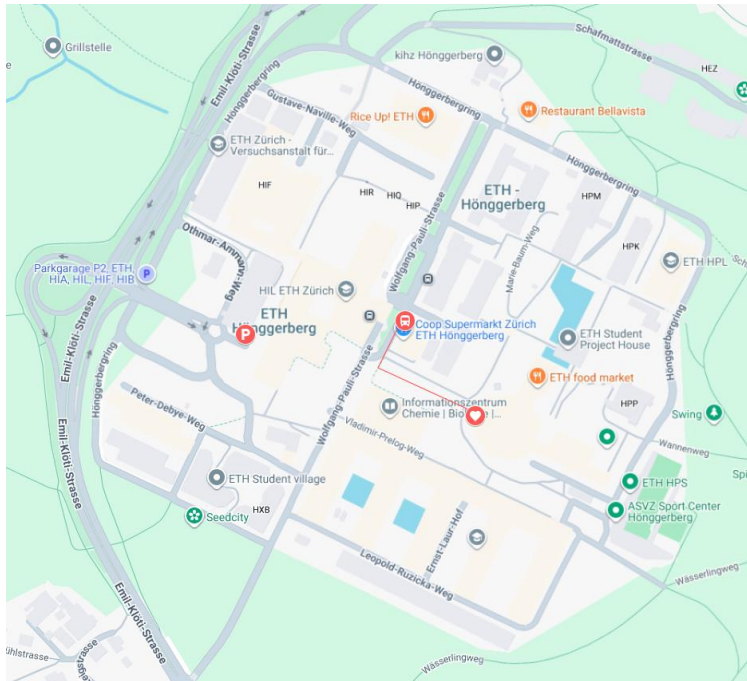


Programm

11. F&E Konferenz

Zeit	Nr.	Thema	Referierende
13.00		Begrüssung, Swissmem	Dr. Adam Gontarz
13.10		Keynote, ETH Zürich	Prof. Dr. Markus Bambach
13.25		Keynote, United Machining Solutions	Christoph Plüss (noch offen)
13.40		Plenumsession «Herausforderungen der Industrie»	HPH G2, 1. Stock
	01	Helbling Technik AG	Stefan von Bergen (noch offen)
	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
14.30		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

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

Advanced Manufacturing & Materials

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

Anmoderation, Marvin Schuster

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

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