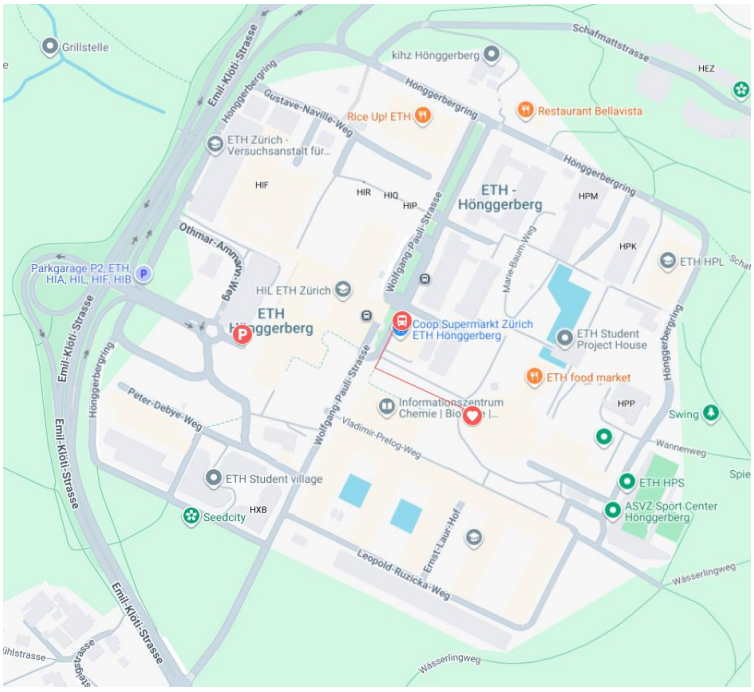
Programm

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
13.40		Plenumssession «Herausforderungen der Industrie»	HPH G2, 1. Stock
	01	Helbling Technik AG	Stefan von Bergen (t.b.d.)
	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

Der EU Data Act: Chancen und Perspektiven für datengetriebene Unternehmen	Jürg Meierhofer, Marc Strittmatter	**Wissenschaftsverbund Vierländerregion Bodensee**
Seamless Material Flow for Smarter Flexible Manufacturing	Simone Miele	**OST**
Unlocking Hidden Factory Knowledge: How AI Transforms Metal Machining	Pascal Weber	**Manukai AG**
Automating CNC tool inspection with AI	Alex Lichtenberger	**Technum GmbH**
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 Queralta	**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 Katzschmann	**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**