

csem

toolpoint  
FOR LAB SCIENCE

AUTUMN CONVENTION

# PRECISION LIQUID HANDLING WORKSHOP

15 OCTOBER 2020



## PROGRAM

9:30 Welcome & registration

9:45 *Greetings address*  
[Hans Noser](#), Toolpoint and [Vincent Revol](#), CSEM

10:00 *The Art of Shaping a Droplet*  
[Jonas Hilti](#), Control Technology Engineer, Research and New Technology,  
[Patrick Pfenninger](#), Senior Product Manager Platform, Hamilton Bonaduz AG

10:45 Coffee break

11:00 Innovation Pitches part I: *Sensors*  
*Inline measurement of sub-microlitre droplets using differential pressure flow sensors*  
[Simon Zumbrunnen](#), CEO, ReseaTech GmbH  
*Sensor controlled pipetting; integrated process control diagnostics & system maintenance support*  
[Marc Boillat](#), Founder, President and CEO, Seyonic SA  
*Flow cytometer for analysis and diagnosis: high precision through sensing*  
[Gina Greco](#), Key Account Manager, Sensirion

11:45 Lunch

13:00 Innovation Pitches part II: *Application & analytics*  
*AUROVIS Assistant—a Smart Lab Solution for Liquid Handling (Example for Labcyte Echo 555)*  
[Roger Schelbert](#), CEO, Aurovis  
*Gilson Connect—added value from smart data*  
[Dirk Freystadt](#), Senior Vice President, Portfolio Management, Gilson  
*Fluid System Simulation: Understanding Wave Phenomena in Liquid Lines*  
[Raphael Frey](#), Technologies, KNF Flodos AG

13:45 *Industry Grade Lab Automation with AI for Process Control & Predictive Maintenance*  
[Matthias Höchemer](#), Head Robotics & Deep Learning, CSEM SA

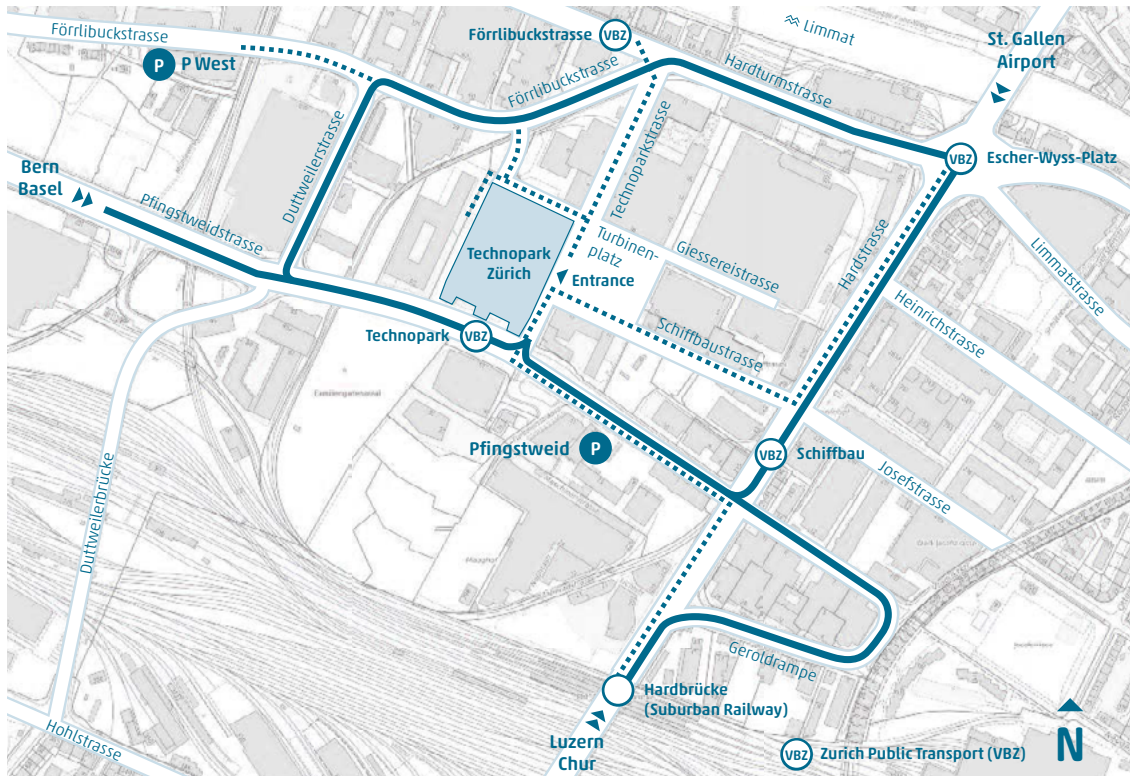
14:30 Coffee break

14:45 *Sensor Data from Liquid Handling Systems: Data Analytics & Tracking System KPI Goals*  
[Thomas Hanselmann](#), Principal Algorithm & Data Analytics Engineer, HSE AG

15:45 Networking apéro



## How to find us



### Arrival by public transport

- › **Tram (VBZ) No. 17 to Förrlibuck** (4 minutes' walk to Technoparkstrasse, follow dashed lines across Escher Wyss site)
- › **Tram (VBZ) No. 4, 13 or 17 to Escher Wyss Platz** (8 minutes' walk to Technoparkstrasse, follow dashed lines along Hardstrasse / Pfingstweidstrasse)
- › **Tram (VBZ) No. 4 to Technopark** (1 minutes' walk to Technoparkstrasse, follow dashed lines) or **Tram (VBZ) No.8 to Schiffbau** (follow dashed lines, 4 minutes' walk to Technoparkstrasse )
- › **Bus (VBZ) No. 33 to Schiffsbau** (4 minutes' walk to Technoparkstrasse, follow dashed lines)
- › **Bus (VBZ) No. 72 to Schiffsbau** (4 minutes' walk to Technoparkstrasse, follow dashed lines)
- › **Suburban train S3 / S5 / S6 / S7 / S9 / S12 / S15 / S16** (all via Zurich main station), or various mainline trains via Zurich main station to Hardbrücke (then 8 minutes' walk to Technoparkstrasse, follow dashed lines along Hardstrasse)

### Arrival by car

Very few metered parking spaces in the **TECHNOPARK®** Zurich underground garage, more parking garages: P Pfingstweid and P West

- › **from St. Gallen / Flughafen:** take Rosengartenstrasse, Escher-Wyss-Platz (bridge), Hardturmstrasse, Förrlibuckstrasse, Duttweilerstrasse (Toni-Areal / ZHDK), Pfingstweidstrasse (continuous line), Technoparkstrasse (dashed line)
- › **from Berne or Basle:** take Pfingstweidstrasse (continuous line), Technoparkstrasse (dashed line)
- › **from Lucerne / Chur:** over Hardbrücke bridge, take Geroldstrasse exit to Pfingstweidstrasse (continuous line), Technoparkstrasse (dashed line)
- › **from Zurich city:** via Escher Wyss Platz, Hardstrasse or Hardturmstrasse (continuous line)
- › **from Hardturm «Park and Ride»:** take tram (VBZ) No. 17 to Förrlibuckstrasse

Leaving **TECHNOPARK®** in the Pfingstweidstrasse direction: to Bern / Basel

Leaving **TECHNOPARK®** in the Förrlibuckstrasse direction: to St.Gallen / airport / Luzern / Chur and Zurich city

