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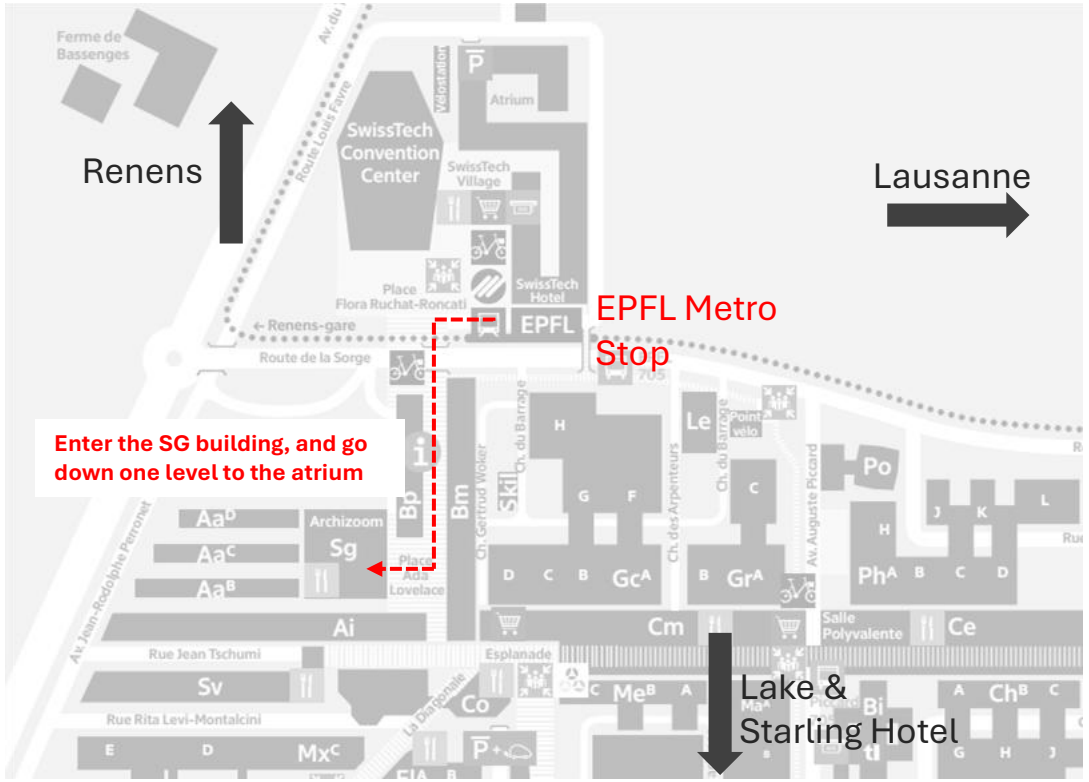
RoboSoft 2025
Conference Program

Conference Program & Activities

Tutorials & Early Registration

Tuesday 22nd April

12:30- 18:00	Registration Open (SG0, Auditorium)
13:00 – 17:30	**Tutorials** (SG0, Auditorium) Healthy and Sustainable Productivity Habits for Academics [Link, signup in advance!] Soft Robotics Simulator Hack-a-Thon [Link]
16:00+	EPFL Lab Tours [Sign up here]
18:00+	**Student Newcomers Welcome Event** (SG0 Auditorium) Reserved to newcomer students, by invitation only
9:00-22:00	**Off-visit to and organized by EMPA&ETH** Find more info here: [Link] Please note there will be an associated fee for the bus trip approximately 60-70CHF



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RoboSoft 2025 Conference Program

Conference Program & Activities

Workshops, Welcome Event & Art Expo, Garden Foyer Level 0

Wednesday 23rd April

07:30-19:00 Registration Open, Swiss Tech Convention Centre (Ground Floor, Garden level)

8:00+ Welcome Coffee

09:00-19:00 Competition Setup & Testing

09:00-17:30 **Workshops (Half Day & Full Day)**

	Room 1A	Room 1BC	Room 2A	Room 2BC	Room 3A	Room 3B	Room 3C	Room 4BC	Room 5BC
11:00-11:30 Coffee Break	Benchmarking in Soft Robots	Soft Robotics Mimicking Human Body for Advanced Medical Applications	Bioinspired Autonomy: Philosophical Aspects Meet Technological Challenges	Bridging Computational Disciplines for Motion Generation in Soft Robotics and Deformable Systems	Smart Textiles for Soft Robotics	The Future of Tensegrity Robotics: Grand Challenges	Soft Robots for Humanitarian Assistance, Reconnaissance, Disasters, Exploration, and Recovery (HARDER)	Moonshot Goals of Soft Robotics through Embodied Intelligence	Emerging Paradigms in soft manipulation: from the lab to the real world
13:00-14:00 Lunch									
15:30-16:00 Coffee Break	Aesthetic Fusion for User-Centered Soft Robotics: Design, Art, and Technology		Origami and Kirigami: How Paper Folding and Cutting Have Revolutionized Soft Robotics and What's Beyond?					Biomimetic and hybrid materials for autonomous soft machines	Soft Robotic Actuation and Sensing Based on Functional Materials

17:30-19:00 **Welcome Reception, Swiss Tech Convention Centre, Garden Foyer**

13-14h Room 2A: Wiley ADVANCED **Wiley, Meet the Editor Event**

18:30-21:00 **Arts Expo: Meet the Artists Event (SGO, Atrium)** Come and see the Arts Expo and meet the soft robotics researchers, artists, and innovators behind the works. Drinks and finger food provided!

19:00 **Start-Up Social Event (AI Centre, EPFL).** Come and network with others in the Soft Robotics Start-up community. Open to all. Drinks and snacks provided.

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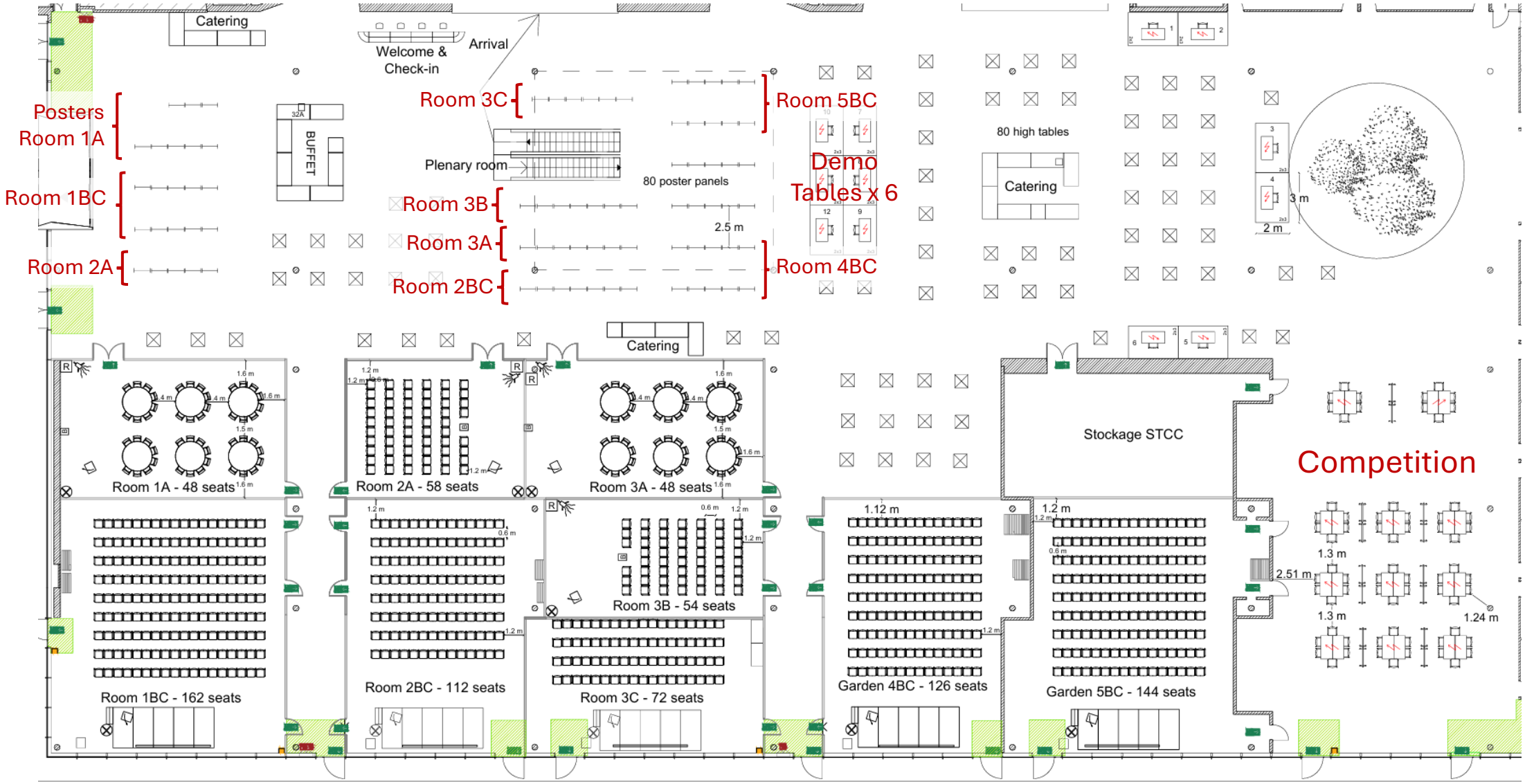
RoboSoft 2025

Conference Program & Activities

Workshops Room Layout: Wednesday 23rd April



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RoboSoft 2025
Conference Program

Conference Program & Activities

Single Track Conference Day: Auditorium A, Level 1

Thursday 24th April

7:30-19:00	Registration Open, Swiss Tech Convention Centre (Garden Foyer, Ground Floor)
8:45-9:00	**Introduction & Welcome** (Auditorium A, Ground Floor). General Chairs: Cosimo Della Santina & Josie Hughes
9:00 – 10:15	**Session A: Bioinspiration** (Chair: Cecilia Laschi, National University of Singapore), 8 Talks
10:15-10:45	Coffee Break & Posters (Garden Foyer, Ground Food for all catering and posters)
10:45-11:45	**Session B: Actuation** (Chair: Matteo Cianchetti, Scuola Superiore Sant'Anna), 6 Talks
11:45-12:30	**Plenary Talk: Prof. Barbara Mazzolai, IIT** *Soft Robotics Meets Biodiversity: Nature-Inspired Paths to Innovation*
12:30-13:30	Lunch & Posters & **Soft Robotics Competition Rounds** (Garden Foyer, Ground Floor)
13:30-13:40	**Introduction to the IEEE Robotics and Automation Society (RAS),** Prof. Aude Billard, RAS President
13:40-14:30	**Interdisciplinary Keynote Talks** **Prof. Yukie Nagai, The University of Tokyo** *How to Build Soft Minds?: Embodied Predictive Processing for Adaptive Intelligence* **Prof. Esther Amstad, EPFL** *3D printing of soft piezoresistive sensors*
14:30-15:40	**Session C: Learning Control & Simulation** (Chair: Helmut Hauser, University of Bristol), 7 talks
15:40-16:10	Coffee Break & Posters, **Soft Robotics Competition Rounds** (Garden Foyer, Ground Floor)
16:10-17:50	**Session D: Robot Design** (Chair: Rebecca Kramer-Bottiglio, Yale University), 11 Talks
17:50 -18:30	**Inclusivity & Interdisciplinary Talk & Panel** Arts and Robotics Talk: Valentina Soana (UCL) Panel Discussion: Andrew Sabelhaus, Cecilia Laschi, Valentina Soana & Helmut Hauser Chairs & Organizers: Simona Aracri, Jovana Jovanova & Soft Robotics Working Group of Diversity and Inclusion
18:30+	**Art Expo** (SG Atrium, EPFL)
19:30	**Student Social Events** (Bowling or Officine Bar, Sign-up required)

Session C and D Poster Q&A 18:20+

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RoboSoft 2025 Conference Program

Conference Program & Activities

Multi-Track Conference Day: Garden Foyer Level 0

Friday 25th April					
8:00+	Welcome Coffee, Registration Open, Swiss Tech Convention Centre (Ground Floor, Garden level)				
Multi-track 9:00-17:45	**Track 1** *Garden room 1* *Short & Flash talks*	**Track 2** *Garden Room 2* *Short & Flash talks*	**Track 3** *Garden Room 3* *Short & Flash talks*	**Track 4** *Garden Room 4* *Short & Flash talks*	**Track 5** *Garden Room 5* *Short & Flash talks*
9:00 – 10:30	**E: Robot Design** Chair: J. Paik	**I: Bioinspiration** Chair: I. Fiorello	**M: Grasping&Man.** Chair: M. Pozzi	**Q: Design & Manuf.** Chair: D. Farhadi	**U: Biomedical** Chair: F. Renda
10:30-11:30	**Coffee Break & Posters** (Garden Foyer). Garden Room 1: Meet the Editor Event Wiley Advanced				
11:30-13:00	**F: Growing Robots** Chair: E. Del Dottore	**J: Continuum Robots** Chair:J.Burgner-Kahrs	**N: Grasping&Man.** Chair: P. Maiolino	**R: Modeling&Simul.** Chair: C. Duriez	**V: Biomedical** Chair: L. He
13:00-14:00	**Lunch, Posters & Competition** (Garden Foyer), **13:10 Benchmarking WG Town Hall** (Room 1), [Poster Change over]				
14:00-15:30	**G: Robot Locomotion** Chair: J. Carpentier	**K: Actuation** Chair: H. Shea	**O: Sensing** Chair: F. Clemens	**S: Learning&Control** Chair: E. Falotico	**W: Wearable** Chair: J. Koh
15:30-16:30	Coffee Break & Posters (Garden Foyer)				
16:30-17:45	**H: Robot Locomotion** Chair: Z.G. Patterson	**L: Actuation** Chair: J. Overvelde	**P: Sensing** Chair: N. Nguyen	**T: Learning&Control** Chair: T. G. Thuruthel	**X: Wearable** Chair: T. Proietti
17:45 – 18:30	Coffee & Posters (Garden Foyer)				
17:30/18:00	**Lab Tours** Sign up here (Meet at the MED Building Atrium)				
18:30+	**Banquet Dinner,** Olympic Museum 19:00-20:00 Aperitif, 20:00+ Buffet Dinner				

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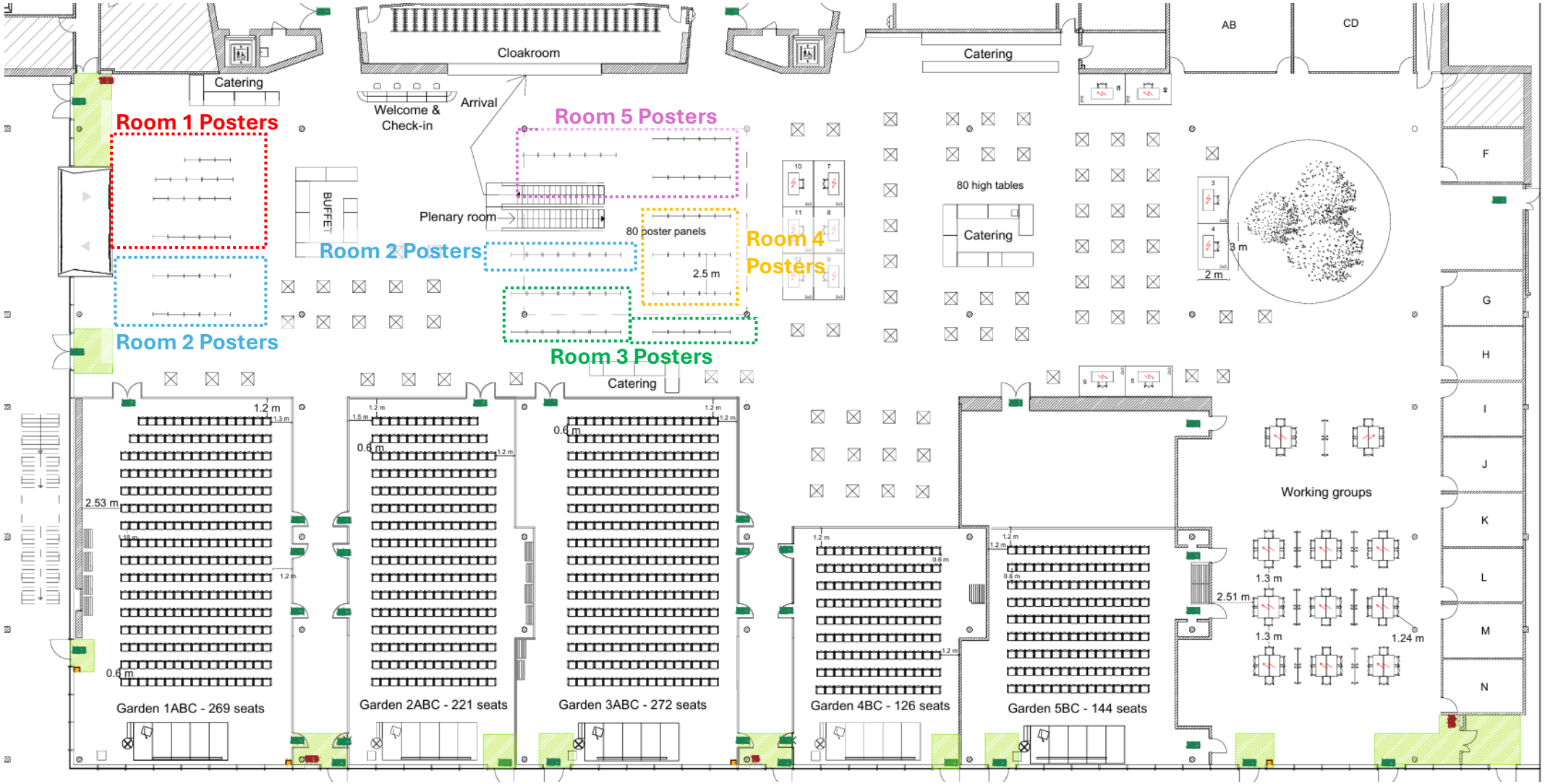
Conference Program

Garden Foyer: Multi-Track Day layout

Morning Posters: 8:30-13:45

Afternoon Posters: 13:50 – 18:00



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Conference Program

Conference Program & Activities

Single Track Conference Day: Auditorium A, Level 1

Saturday 26th April	
8:00-12:00	Registration Open, Swiss Tech Convention Centre (Ground Floor, Garden level)
8:45 – 10:00	**Session Y: Sensing** (Chair: Fumiya Iida, University of Cambridge), 9 Talks
10:00-10:30	RoboSoft 2025 Town hall: Update and Presentation
10:30-11:00	Coffee Break & Posters (Ground Floor, Garden level)
11:00-12:00	**Session Z: Biomedical Applications** (Chair: Kaspar Althoefer, Queen Mary Univ. of London), 7 Talks
12:00-12:45	**Plenary Talk: Prof. Ellen Roche, MIT** *Soft robots to mimic or augment heart function*
12:45-13:20	Lunch & Posters (Ground Floor, Garden level)
13:20-14:00	**Interdisciplinary Keynote Talks** **Prof. Karen Mulleners, EPFL** Title: Reconfiguring it out: How flexible structures interact with fluid flows **Prof. Rika Antonova, University of Cambridge** Title: Efficient Robot Learning for Manipulation with Deformables
14:00-14:50	**Session AA: Continuum Robots** (Chair: Robert Katzschmann, ETH), 5 talks
14:50-15:20	Coffee Break & Posters (Ground Floor, Garden level)
15:20-16:50	**Session BB: Grasping & Manipulation** (Chair: Oliver Brock, TU Berlin), 11 Talks
16:50 -17:30	**Industry & Start-up Panel** Start-up Talk: Dr. Rachele Didero (Capable, Polytropon.AI) Panel: Dr. Rachele Didero, Dr. Radhika Gudipati (ARIA), Prof. Adam Stokes (U. Edinb.), Prof. Kyujin Cho (SNU) Chairs & Organizers: Vito Cacucciolo, Yu Kuwajima, Shingo Maeda
17:30-17:45	**Awards & Wrap-Up**
18:00+	**Closing Celebration Apero (SG0 Atrium)**

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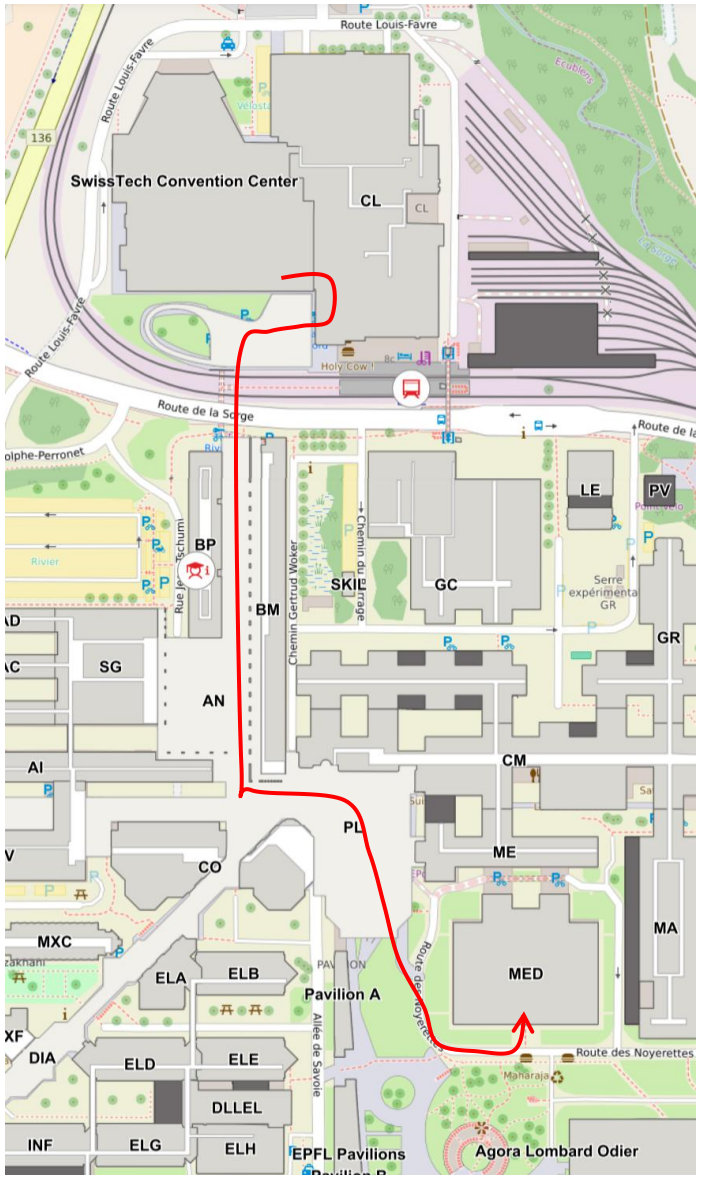
Event Locations



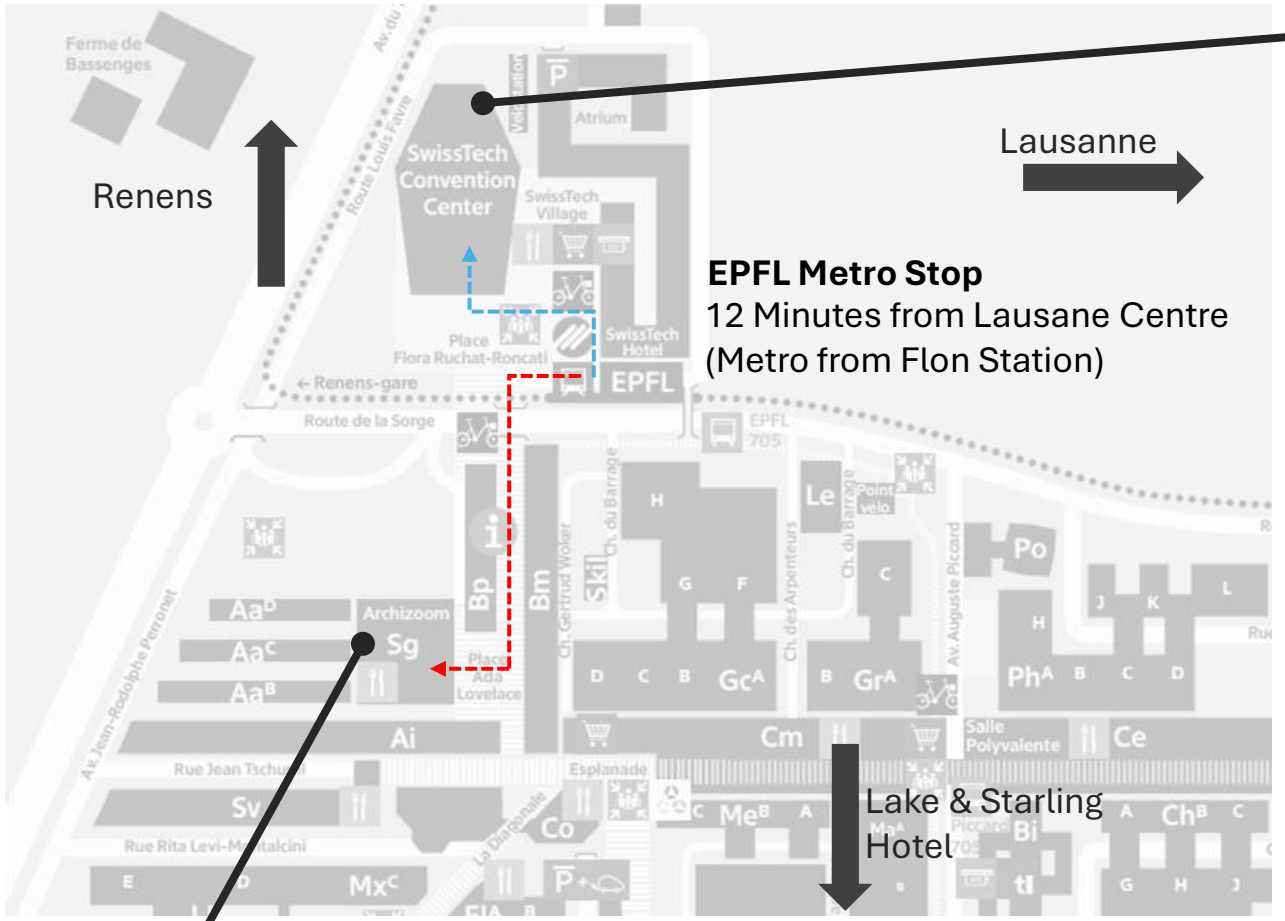
Lab Tours (Friday) – MED Building Atrium

Meet in the MED Building Foyer for tours, where representatives of each lab will collect you. ~5 minute walk

Come out of the swiss tech venue, go under the under-pass, walk through EPFL, and towards the MED (mechanical engineering) building, which you can enter from the entrance below:

RoboSoft 2025
Conference Program

Conference Locations

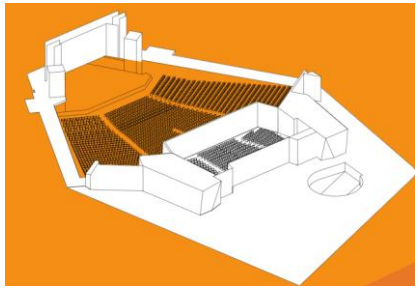


EPFL Metro Stop
12 Minutes from Lausane Centre
(Metro from Flon Station)

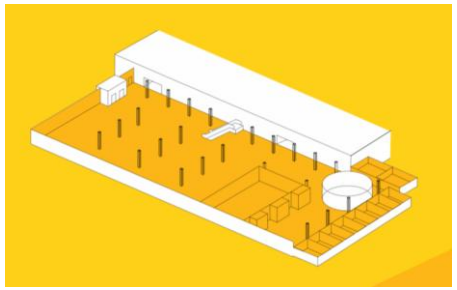
SG Building & Atrium Location of: tutorials, Newcomers welcome event, Art Expo, Celebration Drinks.

SwissTech Convention Center

Level 1 – Campus
Single-Track Auditorium



Level 0 – Garden
Workshops, multi-track and all coffee and lunch breaks



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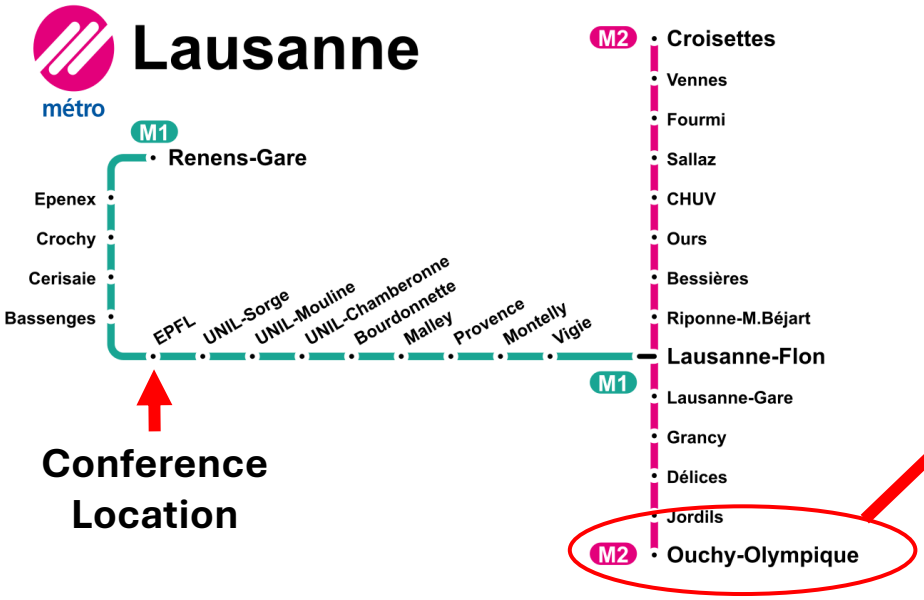
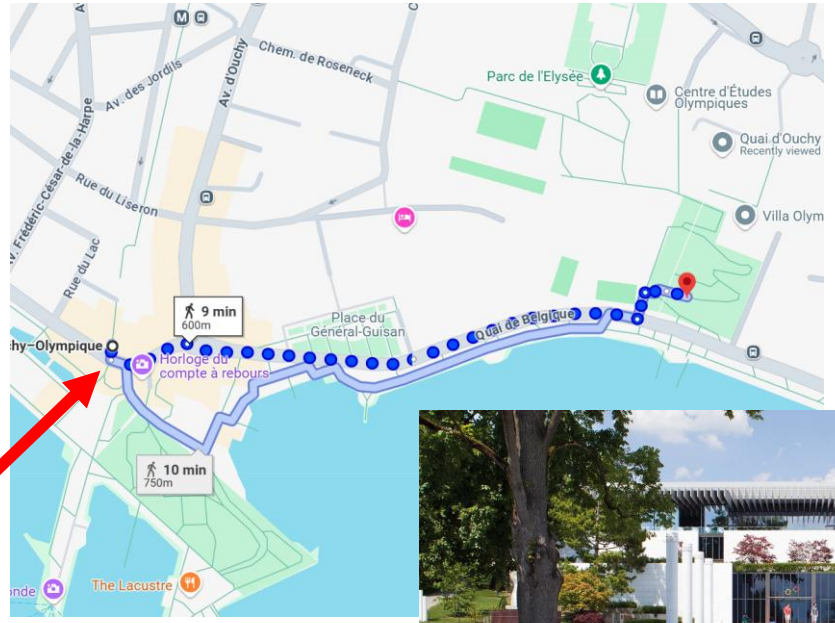
Olympic Museum: Banquet Location

Take the metro to the Ouchy-Olympique stop, and walk 5-10 minutes to the Olympic museum.





Conference Centre to Museum, is approximately 30 minutes

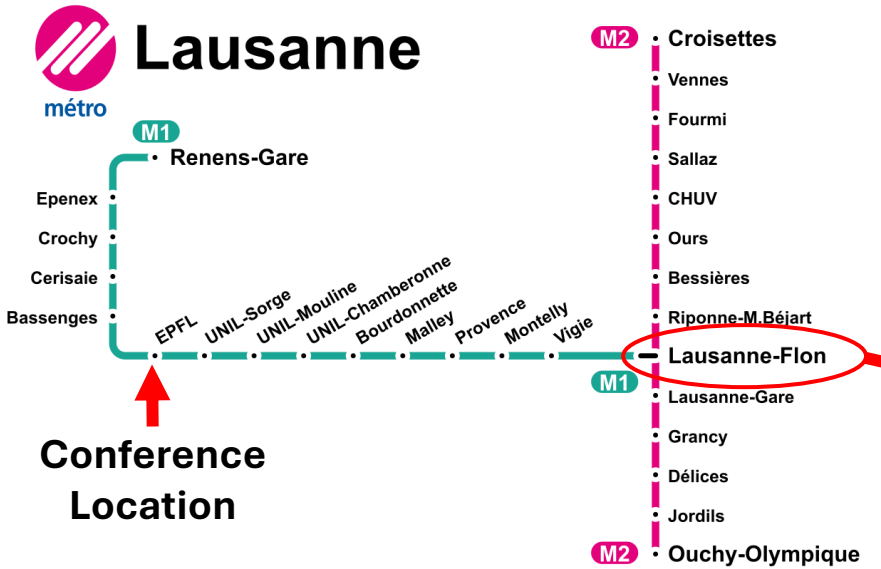
Address: Quai d'Ouchy 1, 1006 Lausanne, Switzerland

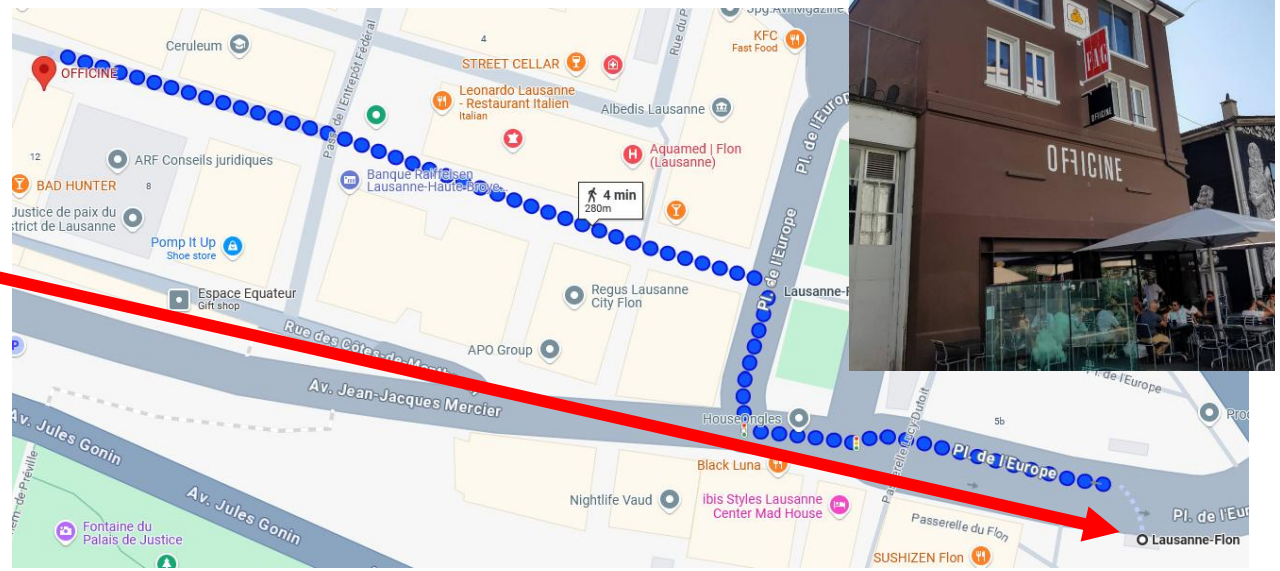
RoboSoft 2025 Conference Program

Student Social Event: Officine Bar

Thursday 24th April - 19h30

Take the metro (M1) to the Lausanne-Flon stop, and walk 5 minutes to the restaurant OFFICINE





Conference Centre to Officine, is approximately 25 minutes

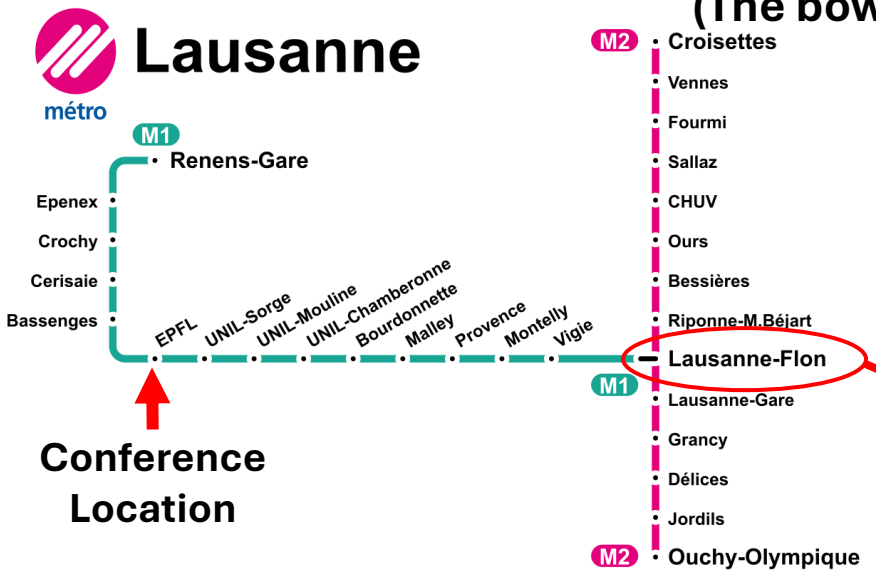
Address: Rue des Côtes-de-Montbenon 12, 1003 Lausanne

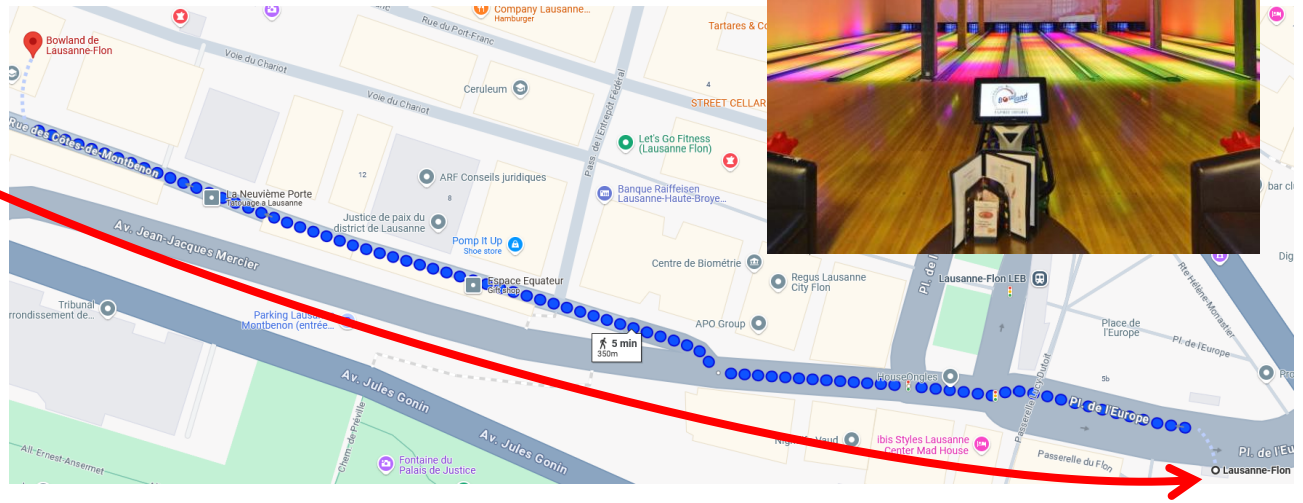
Student Activity: Bowling Location

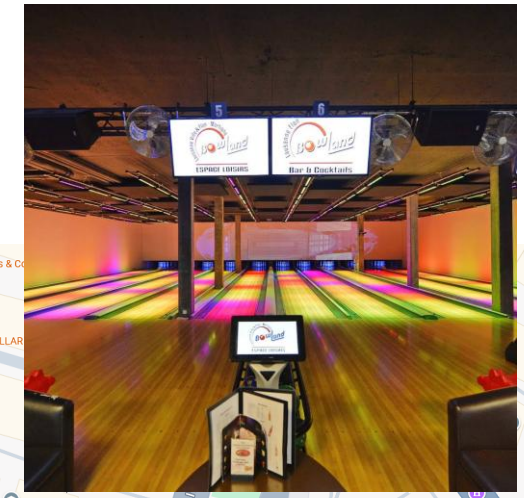
Thursday 24th April - 19h30 (Everyone needs to Be There at 19h20)

Take the metro (M1) to the Lausanne-Flon stop, and walk 7 minutes to Bowland.

(The bowling is in the basement.)







Conference Centre to Bowland, is approximately 25 minutes

Address: Rue des Côtes-de-Montbenon 22, 1003 Lausanne

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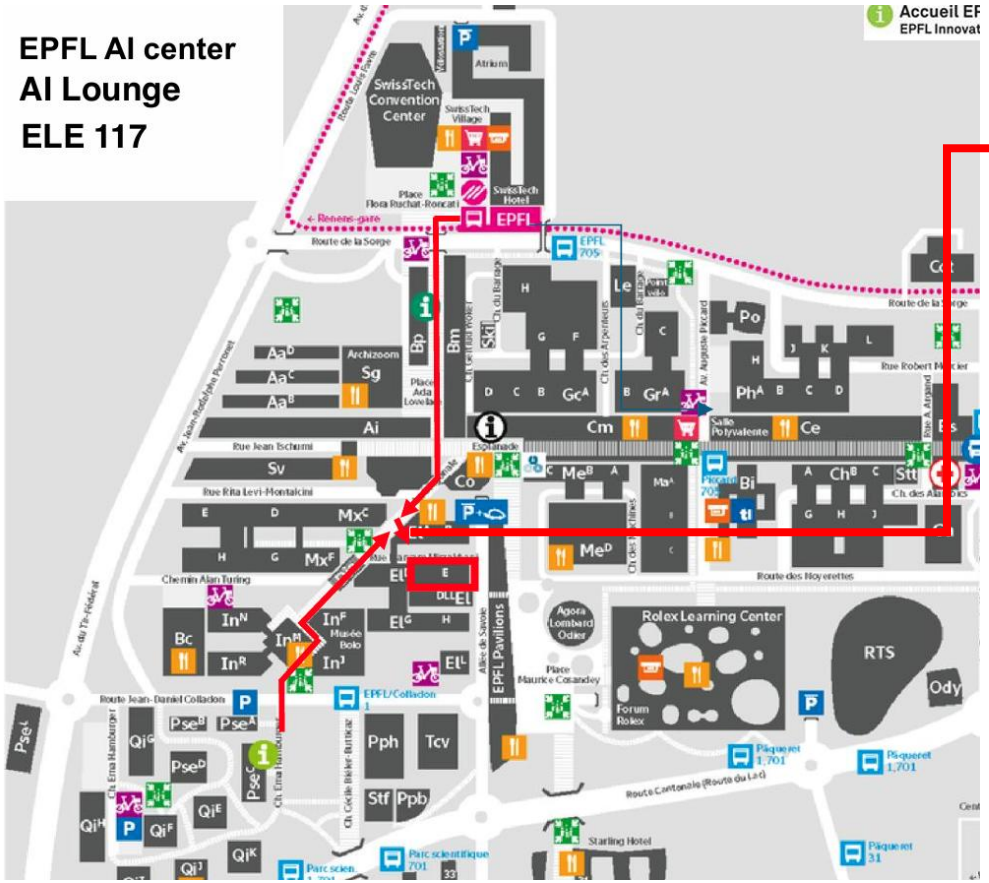
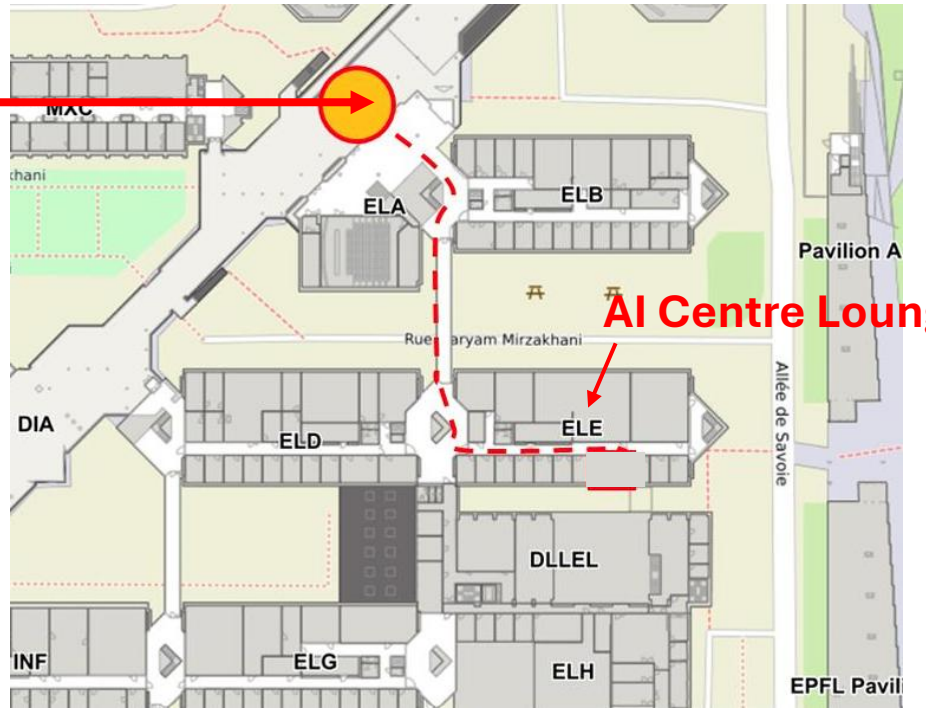
Start Up Social: EPFL AI Centre Lounge

Wednesday 23rd April - 19h00

AI Centre, Location: ELE 117 Link to EPFL Map Here: https://plan.epfl.ch/?room==ELE%20117

From the Metro Station/Conference centre cross the underpass, go straight, walk along "La diagonale (Dia)", and the entrance will be on your left. The EPFL AI center and the room ELE 117 are on the same level than the diagonal.