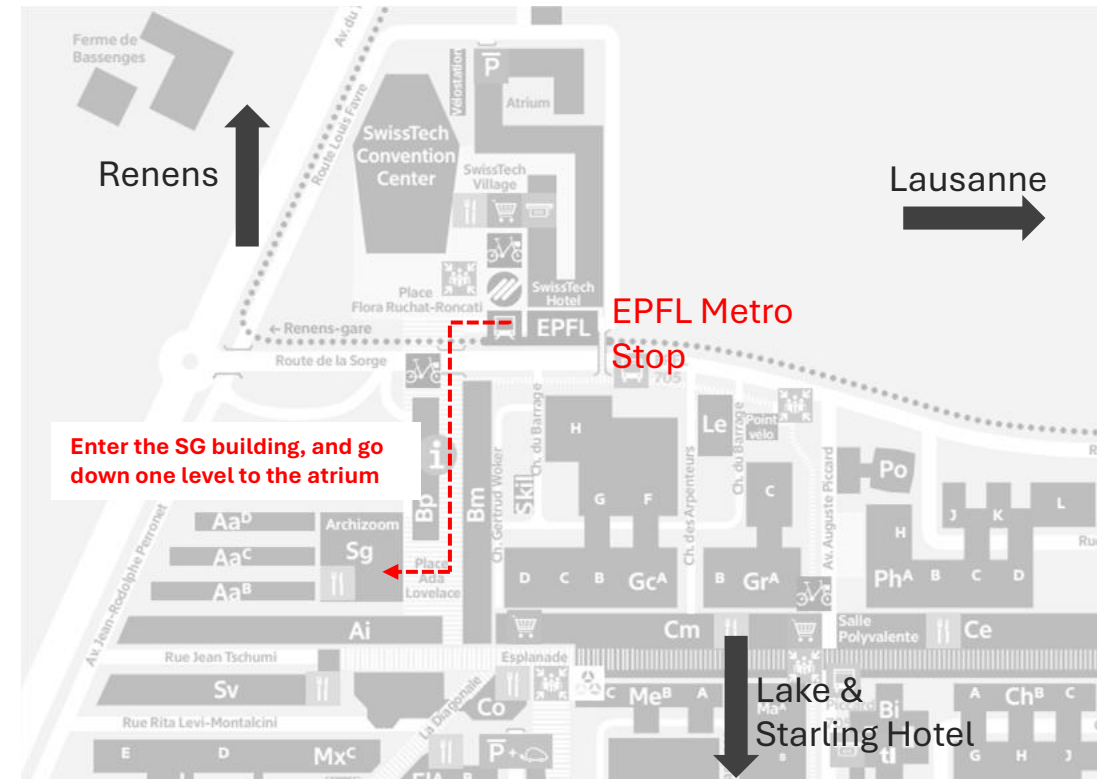


# CONFERENCE PROGRAM & ACTIVITIES

## TUTORIALS & EARLY REGISTRATION

Tuesday 22<sup>nd</sup> 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](#)]
- 15:00-16:00 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



# CONFERENCE PROGRAM & ACTIVITIES

## WORKSHOPS, WELCOME EVENT & ART EXPO

Wednesday 23<sup>rd</sup> 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 1B	Room 1C	Room 2A	Room 2B	Room 2C	Room 3A	Room 3B	Room 3C
11:00-11:30 Coffee Break	Benchmarking in Soft Robots	Bridging Computational Disciplines for Motion	Emerging Paradigms in soft manipulation: from the lab to the real world	Soft Robots for Humanitarian Assistance, Reconnaissance, Disasters, Exploration, and Recovery (HARDER)	Soft Robotics Mimicking Human Body for Advanced Medical Applications	Smart Textiles for Soft Robotics	The Future of Tensegrity Robotics: Grand Challenges	Moonshot Goals of Soft Robotics through Embodied Intelligence	Bioinspired Autonomy: Philosophical Aspects Meet Technological Challenges
13:00-14:00 Lunch		Generation in Soft Robotics and Deformable Systems							
15:30-16:00 Coffee Break	Soft Robotic Actuation and Sensing Based on Functional Materials		Biomimetic and hybrid materials for autonomous soft machines					Origami and Kirigami: How Paper Folding and Cutting Have Revolutionized Soft Robotics and What's Beyond?	Aesthetic Fusion for User-Centered Soft Robotics: Design, Art, and Technology

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

13-14h Room 2A:  
**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.

**EPFL**

**TU Delft**

**IEEE**

**IEEE Robotics & Automation Society**

# CONFERENCE PROGRAM & ACTIVITIES

SINGLE TRACK CONFERENCE DAY: AUDITORIUM A, LEVEL 1

Thursday 24<sup>th</sup> April

7:30-19:00	Registration Open, Swiss Tech Convention Centre (Garden Foyer, Ground Floor)	
8:45-9:00	<b>Introduction &amp; Welcome</b> (Auditorium A, Ground Floor). General Chairs: Cosimo Della Santina & Josie Hughes	
9:00 – 10:15	<b>Session A: Bioinspiration</b> (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	<b>Session B: Actuation</b> (Chair: Matteo Cianchetti, Scuola Superiore Sant'Anna), 6 Talks	
11:45-12:30	<b>Plenary Talk: Prof. Barbara Mazzolai, IIT</b> <i>Soft Robotics Meets Biodiversity: Nature-Inspired Paths to Innovation</i>	
12:30-13:30	Lunch & Posters & <b>Soft Robotics Competition Rounds</b> (Garden Foyer, Ground Floor)	
13:30-13:40	<b>Introduction to the IEEE Robotics and Automation Society (RAS)</b> , Prof. Aude Billard, RAS President	
13:40-14:30	<b>Interdisciplinary Keynote Talks</b> <b>Prof. Yuki Nagai, The University of Tokyo</b> <i>How to Build Soft Minds?: Embodied Predictive Processing for Adaptive Intelligence</i> <b>Prof. Esther Amstad, EPFL</b> <i>3D printing of soft piezoresistive sensors</i>	
14:30-15:40	<b>Session C: Learning Control &amp; Simulation</b> (Chair: Helmut Hauser, University of Bristol), 7 talks	
15:50-16:10	Coffee Break & Posters, <b>Soft Robotics Competition Rounds</b> (Garden Foyer, Ground Floor)	
16:10-17:50	<b>Session D: Robot Design</b> (Chair: Rebecca Kramer-Bottiglio, Yale University), 11 Talks	
17:50 -18:30	<b>Inclusivity &amp; Interdisciplinary Talk &amp; Panel</b> Arts and Robotics Talk: Valentina Soana (UCL) Panel Discussion: Andrew Sabelhaus, Cecilia Laschi, TBC	Session C and D Poster Q&A 18:20+
18:30+	<b>Art Expo</b> (SG Atrium, EPFL)	
19:30	<b>Student Social Events</b> [Sign up required]	

EPFL

TU Delft

IEEE

IEEE  
Robotics &  
Automation  
Society

ROBOSOFT 2025

CONFERENCE PROGRAM



# CONFERENCE PROGRAM & ACTIVITIES

## MULTI-TRACK CONFERENCE DAY: GARDEN FOYER LEVEL 0

Friday 25<sup>th</sup> April

8:00+ Welcome Coffee, Registration Open, Swiss Tech Convention Centre (Ground Floor, Garden level)

Multi-track 9:00-17:45	Track 1 <i>Garden room 1</i> <i>Short &amp; Flash talks</i>	Track 2 <i>Garden Room 2</i> <i>Short &amp; Flash talks</i>	Track 3 <i>Garden Room 3</i> <i>Short &amp; Flash talks</i>	Track 4 <i>Garden Room 4</i> <i>Short &amp; Flash talks</i>	Track 5 <i>Garden Room 5</i> <i>Short &amp; Flash talks</i>
9:00 – 10:30	<b>E: Robot Design</b> Chair: J. Paik	<b>I: Bioinspiration</b> Chair: I. Fiorello	<b>M: Grasping&amp;Man.</b> Chair: M. Pozzi	<b>Q: Design &amp; Manuf.</b> Chair: D. Farhadi	<b>U: Biomedical</b> Chair: F. Renda
10:30-11:30	<b>Coffee Break &amp; Posters</b> (Garden Foyer). <u>Garden Room 1: Wiley, <a href="#">Meet the Editor Event</a></u>				
11:30-13:00	<b>F: Growing Robots</b> Chair: E. Del Dottore	<b>J: Continuum Robots</b> Chair: J. Burgner-Kahrs	<b>N: Grasping&amp;Man.</b> Chair: P. Maiolino	<b>R: Modeling&amp;Simul.</b> Chair: C. Duriez	<b>V: Biomedical</b> Chair: L. He
13:00-14:00	<b>Lunch, Posters &amp; Competition</b> (Garden Foyer), <b>13:10 Benchmarking WG Town Hall</b> (Room 1), [Poster Change over]				
14:00-15:30	<b>G: Robot Locomotion</b> Chair: J. Carpentier	<b>K: Actuation</b> Chair: H. Shea	<b>O: Sensing</b> Chair: F. Clemens	<b>S: Learning&amp;Control</b> Chair: E. Falotico	<b>W: Wearable</b> Chair: J. Koh
15:30-16:30	Coffee Break & Posters (Garden Foyer)				
16:30-17:45	<b>H: Robot Locomotion</b> Chair: Z.G. Patterson	<b>L: Actuation</b> Chair: J. Overvelde	<b>P: Sensing</b> Chair: N. Nguyen	<b>T: Learning&amp;Control</b> Chair: T. G. Thuruthel	<b>X: Wearable</b> Chair: T. Proietti
17:45 – 18:30	Coffee & Posters (Garden Foyer)				
17:30/18:00	<b>Lab Tours</b> <a href="#">Sign up here</a> (Meet at the MED Building Atrium)				
18:30+	<b>Banquet Dinner</b> , Olympic Museum 18:30-19:30 Aperitif, 19:30-22:00 Buffet Dinner				

# CONFERENCE PROGRAM & ACTIVITIES

SINGLE TRACK CONFERENCE DAY: AUDITORIUM A, LEVEL 1

Saturday 26<sup>th</sup> April

8:00-12:00	Registration Open, Swiss Tech Convention Centre (Ground Floor, Garden level)
9:00 – 10:20	<b>Session Y: Sensing</b> (Chair: Fumiya Iida, University of Cambridge), 9 Talks
10:20-10:50	Coffee Break & Posters (Ground Floor, Garden level)
10:50-11:50	<b>Session Z: Biomedical Applications</b> (Chair: Kaspar Althoefer, Queen Mary Univ. of London), 7 Talks
11:50-12:40	<b>Plenary Talk: Prof. Ellen Roche, MIT</b> <i>Soft robots to mimic or augment heart function</i>
12:40-13:20	Lunch & Posters (Ground Floor, Garden level)
13:20-14:10	<b>Interdisciplinary Keynote Talks</b> <b>Prof. Karen Mulleners, EPFL</b> Title: To be Announced <b>Prof. Rika Antonova, University of Cambridge</b> Title: To be Announced
14:10-15:00	<b>Session AA: Continuum Robots</b> (Chair: Robert Katzschmann, ETH ), 5 talks
15:00-15:30	Coffee Break & Posters (Ground Floor, Garden level)
15:30-16:45	<b>Session BB: Grasping &amp; Manipulation</b> (Chair: Oliver Brock, TU Berlin), 11 Talks
16:45 -17:20	<b>Industry &amp; Start-up Panel</b> Start-up Talk: Dr. Rachele Didero (Capable, Polytropon.AI) Panel Discussion: Dr. Rachele Didero, Prof. Koichi Suzumori (TokyoTech), Dr. Radhika Gudipati (ARIA)
17:20-17:40	<b>Awards &amp; Wrap-Up</b>
17:40+	<b>Closing Celebration Apero (SG0 Atrium)</b>

EPFL

IEEE

TU Delft

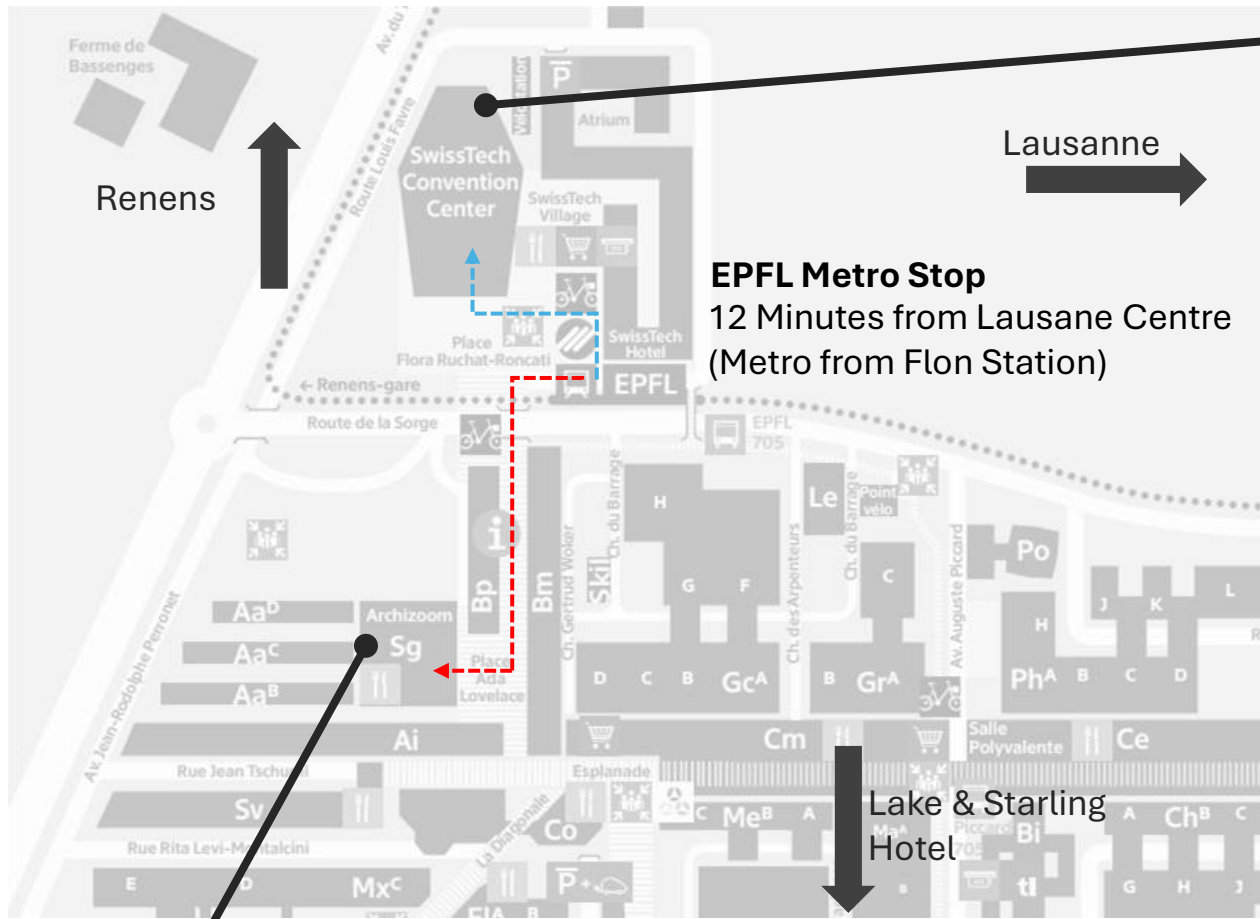
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Automation  
Society

ROBOSOFT 2025

CONFERENCE PROGRAM

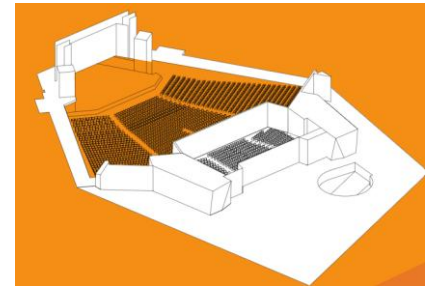


# CONFERENCE LOCATIONS

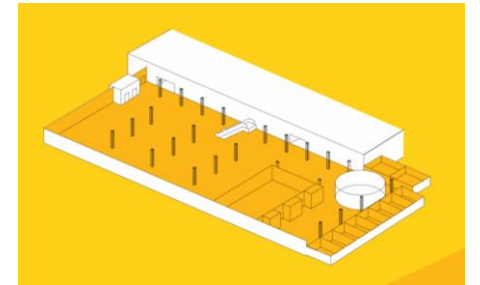


## SwissTech Convention Center

Level 1 – Campus  
Single-Track Auditorium



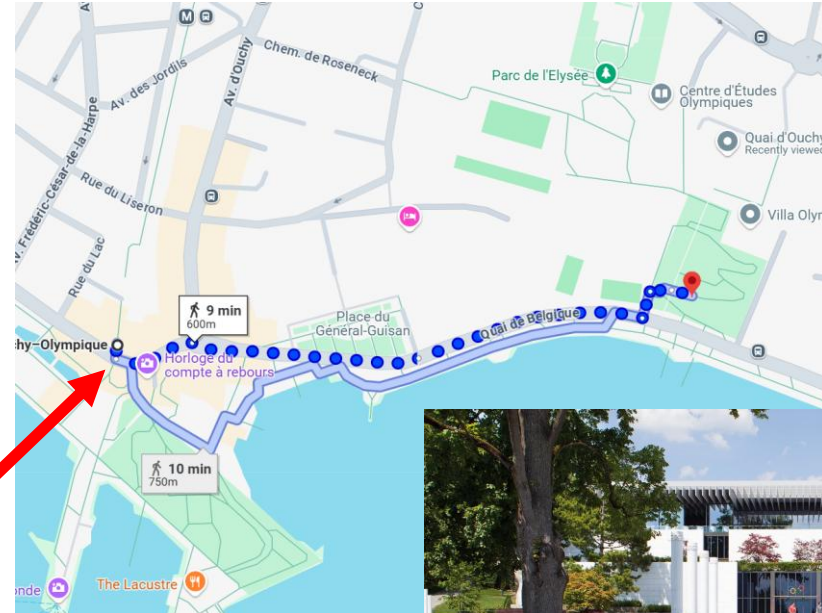
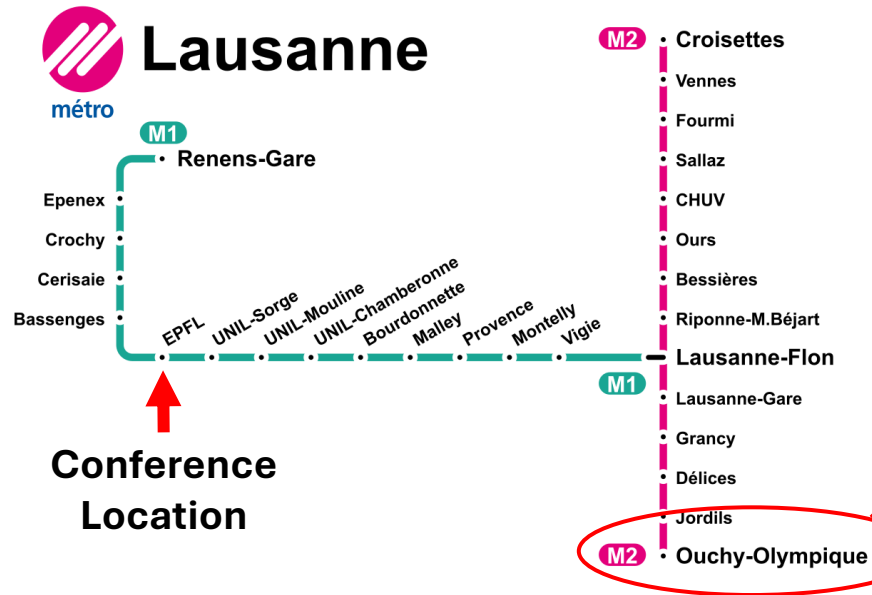
Level 0 – Garden  
Workshops, multi-track and  
all coffee and lunch breaks



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

# OLYMPIC MUSEUM: BANQUET LOCATION

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



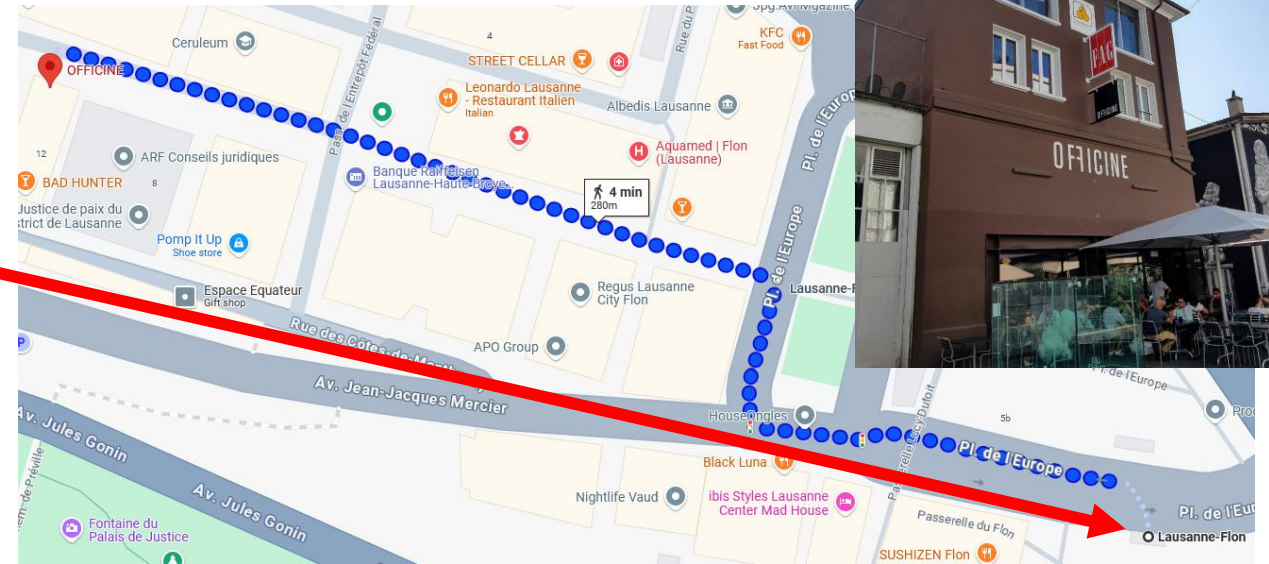
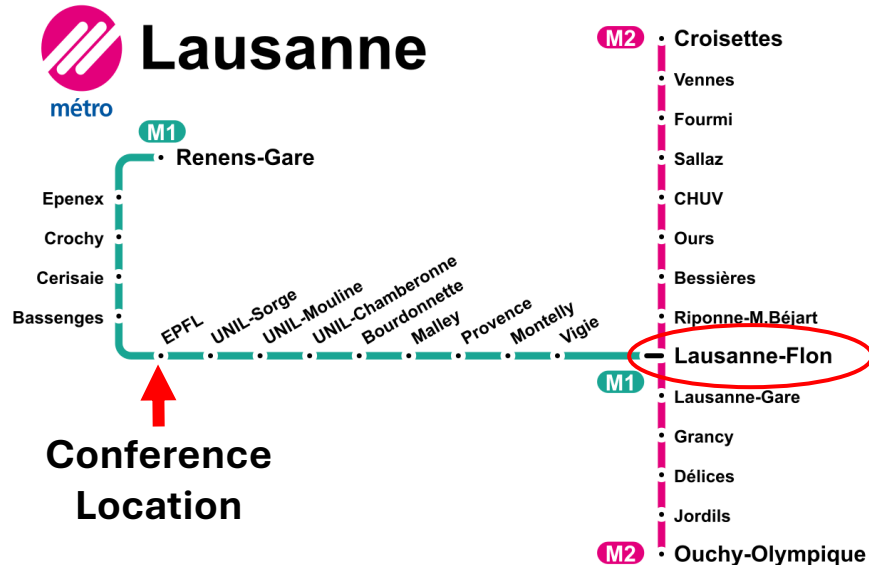
Conference Centre to Museum, is approximately 30 minutes

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

# STUDENT SOCIAL EVENT: RESTAURANT LOCATION

THURSDAY 24<sup>TH</sup> 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

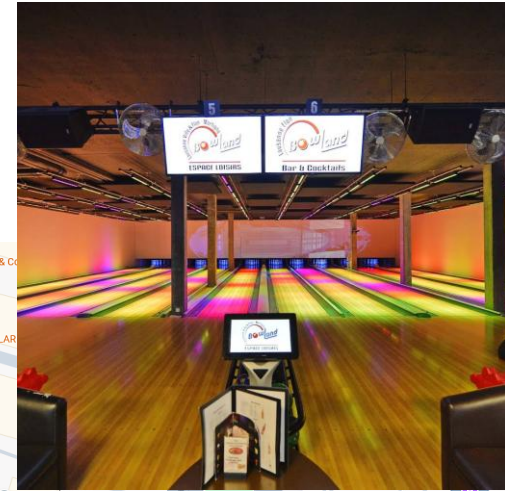
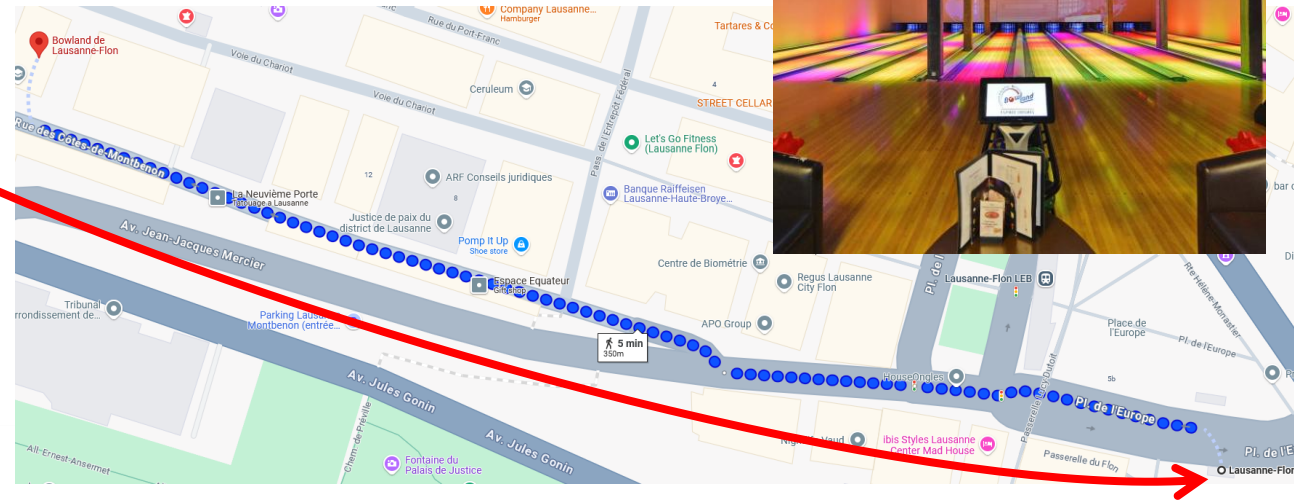
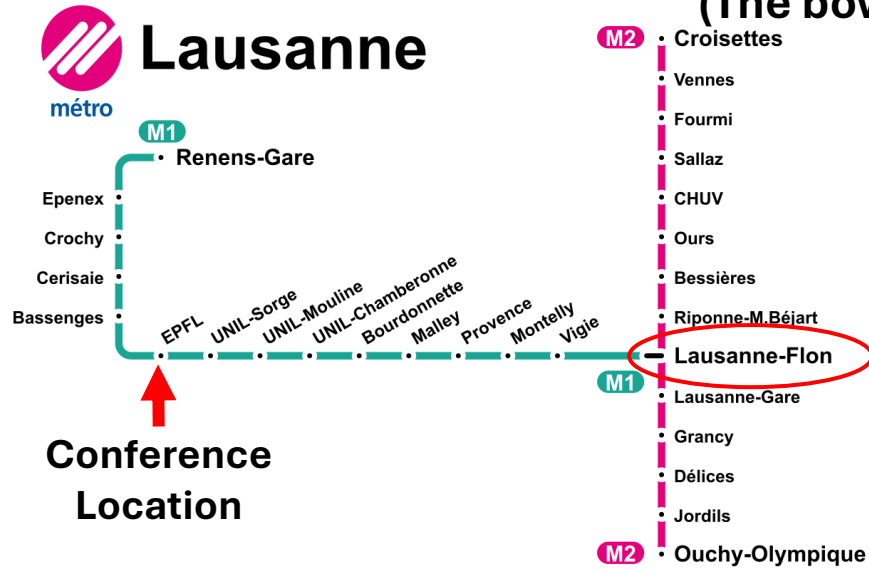
Address: Rue des Côtes-de-Montbenon 12, 1003 Lausanne



# STUDENT ACTIVITY: BOWLING LOCATION

THURSDAY 24<sup>TH</sup> APRIL - 19H30 (EVERYONE NEEDS TO BE THERE AT 19H20)

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



Conference Centre to Bowland, is approximately 25

minutes

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