

4th BioMEMS & Microfluidic Technologies Workshop jointly organized with the 6th Novel Fluidic Technologies Workshop

OrCHESTRA MAESTRO

AGENDA

8 May 2025, Thursday

09:00 - 09:45	Registrations
09:45 - 10:00	Opening Remarks
10:00 - 10:30	Plenary Session: Severine Le Gac, University of Twente (in-person) "Organ-on-Chip for disease modeling"
10:30 - 11:00	Plenary Session: Fabiana Arduini, University of Rome Tor Vergata (online) "Electrochemical paper-based microfluidic devices"
11:00 - 11:30	Plenary Session: Nicole Pamme, Stockholm University (online) "Microfluidic approaches for analysis in resource-limited settings"
11:30 - 12:00	Invited Talk: Haluk Külâh, Middle East Technical University (in-person) "Multiscale BioMEMS Solutions for Neural Interfaces and Cancer Diagnostics"
12:00 - 12:30	Invited Talk: Özlem Yeşil Çeliktâş, Ege University (in-person) "The triple Helix: Pharmaceuticals, Environment and Organ-on-chips"
12:30 - 13:45	Lunch Break
13:45 - 14:45	Young Researcher Podium: Short presentations of selected abstracts
14:45 - 15:00	Coffee Break
15:00 - 16:00	Poster Presentations
16:00 - 17:00	ERC Grantee Session: Success Stories in Türkiye Panelists: Haluk Külâh (METU), Serhat Tozburun (IBD, DEU)

9 May 2025, Friday

09:30 - 10:00	Plenary Session: Niels Bent Larsen, DTU (online) "3D Microperfused Microphysiological Systems"
10:00 - 10:30	Plenary Session: Jonas Tegenfeldt, Lund University (in-person) "Viscoelastic Fluidics Components"
10:30 - 11:00	Plenary Session: Andreas Hierlemann, ETH Zurich (in-person) "Microphysiological Systems Featuring Microsensor Structures"
11:00 - 11:30	Poster Presentations (with coffee break)
11:30 - 12:00	Plenary Session: Ender Yıldırım, Middle East Technical University (online) "Ultrasonic Assisted Fabrication of SERS Substrates"
12:00 - 12:30	Plenary Session: H. Cumhur Tekin, Izmir Institute of Technology (in-person) "Centrifugal Filling and Fluidic Control in Dead-End Microchannels"



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12:30 - 13:45	Lunch Break
13:45 - 14:45	Industry Session: Company Presentations & Panel – Opportunities and Challenges in Commercialization Özge Zorlu (Cellsway), Devrim Pesen Okvur (Initio Cell)
14:45 - 15:00	Coffee Break
15:00 - 16:00	Honorary Session: A Tribute to Prof. Banu Onaral Speakers: Jamie Mak, Hasan Ayaz, Wan Shih
16:00 - 16:30	Plenary Session: Andries van der Meer, University of Twente (online) “Organs-on-Chips: From Platform Technology to Applications in Drug Development”
16:30 - 17:00	Best Poster Award Ceremony & Closing Remarks

USEFUL INFORMATION

Location, venue:

İzmir Institute of Technology (IZTECH) – İzmir
Yüksek Teknoloji Enstitüsü (İYTE)

Gülbahçe Kampüsü 35430 Urla İzmir Türkiye

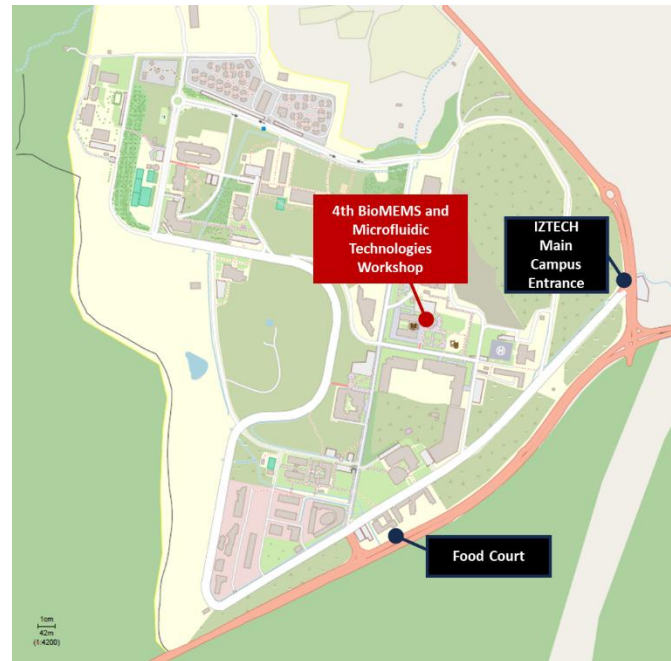
The event will take place at the Show Hall (Gösteri Merkezi) located inside the IZTECH Library (İYTE Kütüphanesi) building.

Google Maps link:

<https://maps.app.goo.gl/7hbfSxCygUC1ZNjr9>

For public transportation options and other travel information, please refer to the following link:

<https://iyte.edu.tr/iletisim/>



- For lunch, participants are expected to use the various dining options available on the IZTECH campus at their own convenience.

Acknowledgements

Organised within the framework of the OrChESTRA project coordinated by ODTÜ MEMS Center, the workshop benefits from the synergistic collaboration of leading European research organisations.

Izmir Institute of Technology (IZTECH) is generously hosting the workshop activities, providing the venue, logistical support, and on-site coordination.

The event is jointly organised with the 6th Novel Fluidic Technologies Workshop, with additional organisational support provided by Ege University.



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