

# Microfluidics Symposium: Innovations in Sensors, Materials, and Smart Microsystems

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## **First day: MONDAY May 11, 2026 (from 14:00 to 18:00 JST)**

13:30 – 14:00 | *Registration*

14:00 – 14:10 | Hiroki Nakae (JMAC) - Welcome by the host

14:10 – 14:20 | Darwin R. Reyes (MFA/NIST), introduction to the microfluidics association (MFA)

**14:20 | Session I: Metrology of Microfluidics (Metrology Challenging of microfluidics)** (Chair: Darwin R. Reyes)

14:20 – 14:40 | Elsa Batista (Portuguese Institute for Quality)

14:40 – 15:00 | Kevin Romieu (CETIAT)

15:00 – 15:20 | Shunsuke Kagami (National Metrology Institute of Japan (NMIJ))

15:20 – 15:40 | Oliver Büker (RISE Research Institutes of Sweden)

15:40 – 16:00 | *Coffee and Networking*

**16:00 | Session II: Material and microfabrication** (Chair: Elsa Batista)

16:00 – 16:45 | Steven Soper (The University of Kansas) (Keynote)

16:45 – 17:05 | Daniel Nawrocki (Kayaku Advanced Materials)

17:05 – 17:25 | Keisuke Shiota (Zeon)

17:25 – 17:55 | Hands-On & Poster Session

17:55 | End of the 1st day workshop

18:00 | Networking Reception

**2nd day: TUESDAY May 12, 2026 (from 9:30 to 17:30 JST)**

09:00 – 09:30 | *welcome*

09:30 – 10:10 | Hands-On & Poster Session

**10:10 | Session III: Integration of sensors and actuators** (Chair: Oliver Büker)

10:10 – 10:55 | Joost Lötters (University of Twente) (Keynote)

10:55 – 11:15 | Darwin R. Reyes (MFA/NIST)

11:15 - 11:35 | Hiroshi Kimura (Tokai University)

11:35 | *Lunch (Japanese-style lunchbox will be provided)*

**13:10 | Session IV: AI integration for MPS** (Chair:Kevin Romieu)

13:10 – 13:40 | Open Discussion

13:40 – 14:00 | Kenji Mizuguchi (The University of Osaka)

14:00 – 14:20 | Hitoshi Fujimiya (Dynacom)

14:20 – 14:35 | Sponsor Presentation

14:35 – 15:00 | *Coffee and Networking*

**15:00 | Session V: Standardization and regulation** (Chair: Hiroki Nakae)

15:00 – 15:45 | Carlo Alberto Paggi (ChrN On-Chip Biotechnologies B.V.) (Keynote)

15:45 – 16:05 | Yuzuru Ito (University of Tsukuba)

16:05 – 16:25 | Yutaka Yanagita (FIRM)

16:25 – 17:10 | Round Table Discussion

17:10 -17:30 | Darwin R. Reyes - Summary of Workshop and Action points

17:30 | End of Symposium

\*The program is subject to change.