

ORGANIZED BY



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386



IN PARTNERSHIP WITH



KYOTO UNIVERSITY



భారతీయ పాఠశాల డిజిటల్ హెల్త్ సైన్సు
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

SUPPORTED BY



Wearable Sensing for Health Monitoring: From Electrical to Optical and Mechanical Signals

Germany – Japan – India Trilateral Workshop · Supported by DWH Tokyo

Date	Monday, November 2 nd , 2026 (one-day workshop)
Venue	Horiba Seminar Room, Kyoto University, Japan — onsite, with a hybrid/online option for remote speakers and attendees (Link to be announced publicly)
Language	English
Expected participants	Approx. 15–20 onsite, plus online attendees
Organized by	Dr. Mostafa Haghi, Heidelberg University – ECLECTX Team, Institute of Computer Engineering (ZITI), via Heidelberg University Office Kyoto (HUOK)
In partnership with	Kyoto University – Graduate School of Informatics, Human Systems Laboratory; Indian Institute of Technology Hyderabad – Department of Biomedical Engineering
Supported by	DWH Tokyo (Deutsches Wissenschafts- und Innovationshaus Tokyo)

For further information please contact Dr. Mostafa Haghi (Mostafa.haghi@ziti.uni-heidelberg.de) or Dr. Kana Eguchi (eguchi@kuhp.kyoto-u.ac.jp).

Workshop Schedule

(subject to change)

Time	Session / Speaker
09:00–09:30	Opening Remarks — Dr. Mostafa Haghi (Heidelberg University, ZITI)
09:30–10:50	Session 1 (80 min) – Hardware & Wearable Sensing (Heidelberg University): Prof. Nima TaheriNejad (keynote speaker 1); Soheil Khooyooz; Yiting Wei.
10:50–11:10	<i>Coffee Break</i>
11:10–12:15	Session 2 (65 min) – Biosignal Analysis (Kyoto University, Inter Reha Co., Ltd): Sourabh Banik, Julian Mierisch, Shintaro Hanawa
12:15–13:45	<i>Lunch Break (90 min)</i>
13:45–14:35	Session 3 (50 min) – Biomedical Engineering Applications (IIT Hyderabad): Prof. Nagarajan Ganapathy (keynote speaker 2)
14:35–14:50	<i>Short break</i>
14:50–16:00	Panel Discussion (70 min) – Who’s Using Whom? Industry and Academia in Wearable Sensing Panelists: Nima TaheriNejad, and Kana Eguchi Moderator: Mostafa Haghi
16:00–16:30	Closing Remarks: Dr. Kana Eguchi (Kyoto University)
16:30–18:00	Wearable demonstration and networking (90 min)

Speakers

- Germany
 - Dr. Mostafa Haghi — Heidelberg University, Institute of Computer Engineering (ZITI) (organizer; Opening Remarks)
 - Prof. Nima TaheriNejad — Heidelberg University, Institute of Computer Engineering (ZITI) — 30 min talk
 - ✧ Title: Wearable Sensing Hardware, Challenges and Remedial Approaches
 - Soheil Khooyooz — Heidelberg University, Institute of Computer Engineering (ZITI) — 15 min talk + 5 min Q&A
 - ✧ Title: Wink: A Low-Power Modular Wearable Platform for Multimodal Healthcare Applications
 - Yiting Wei — Heidelberg University, Institute of Computer Engineering (ZITI) — 15 min talk + 5 min Q&A
 - ✧ Title: From Physiological Signals to Health Indicators: Acquisition, Analysis, and Health Monitoring
- India
 - Prof. Nagarajan Ganapathy — Indian Institute of Technology Hyderabad, Department of Biomedical Engineering — 30 min talk
 - ✧ Title: Multimodal Physiological Sensing and AI-driven Assessment in Smart Private Spaces
- Japan (incl. visiting researchers)
 - Dr. Kana Eguchi — Kyoto University, Human Systems Laboratory (co-organizer; Closing Remarks)
 - Sourabh Banik (Indian Institute of Technology Madras) — PhD student / Visiting researcher— 15 min talk + 5 min Q&A
 - Julian Mierisch (Karlsruhe Institute of Technology / Heidelberg University)— PhD student / Visiting researcher — 15 min talk + 5 min Q&A
 - Shintaro Hanawa — Inter Reha Co., Ltd — Chief of Sales Engineer — 15 min talk + 5 min Q&A
 - ✧ Title: Product Design and Application Examples for High-Precision Surface Electromyography Measurement