

IEEE INTERNATIONAL CONFERENCE ON MECHATRONICS (ICM 2025)
FEBRUARY 28TH - MARCH 2ND, 2025
Wollongong, NSW, Australia

Special Session Title
Intelligent System Using Sensor Information Processing And Sensor Data

organized by

Koichi Hidaka, Tokyo Denki University, hidaka@cck.dendai.ac.jp

Koichi Hidaka received the B.E.degree in Mathematical Science from Tokyo Denki University and the M.E. and Ph.D. degrees in Electrical Engineering from Keio University, Tokyo, Japan, in 1988, 1994 and 1999, respectively. He is now Professor of Department of Electrical and Electronic Engineering, Tokyo Denki University, Japan.

Junya Sato, Gifu University, jsato@gifu-u.ac.jp

Jyunya Sato received the B.Eng. degree in Information Systems from Iwate University, Iwate, Japan, in 2012, and the M.E. degree and Ph.D. degrees in Design and Media Technology from the Graduate School of Iwate University, Iwate, Japan, in 2014 and 2017, respectively. Currently, he has been Associate Professor of department of Mechanical Engineering, Gifu University, Japan.

Sota Shimizu, Aichi University of Technology, sota@ieee.org

Sota Shimizu received the Ph.D. degrees from Nagoya University 1998. He is now Professor Aichi University of technology, Japan

Nicholas Costen, Manchester Metropolitan University, N.Costen@mmu.ac.uk

Nicholas Costen received an M.A. degree in Experimental Psychology from the University of Oxford, an M.Sc. in Research Methods in Psychology from the University of Reading and a Ph.D. in Psychology and Mathematics from the University of Aberdeen, all in the UK, in 1989, 1990 and 1994 respectively. He is now Reader in Computer Vision in the Department of Computing and Mathematics, the University of Aberdeen, UK.

Call for Papers

Outline of the Session

The fusion of advanced sensing information processing and sensor data expands and contributes to an intelligent system. This session is focused on wide applications to the fusion of intelligent sensors and systems.

Topics of the Session

- o Sensing human intention by several physical information
- o Intelligent systems via artificial intelligence
- o Tele-operational motion control and its device
- o Smart data cognitive methods.

- **IEEE IES Technical Committee Sponsors :**

IEEE IES Technical Committee on Sensors and Actuators

IEEE IES Technical Committee on Motion Control