

TIMETABLE

2023 IEEE/SICE International Symposium on System Integration
Workshop on Safety & ANSHIN Systems - ANSHIN & Safety for Robots &
Intelligent Systems –

January 17, 2023

Georgia Institute of Technology, Atlanta, GA, USA and Online (Hybrid style)

Time Zone: **Eastern Standard Time (UTC-5)**

- 13:15 Opening Address
- 13:20-14:40 Technical Speech 1
 Chair: Kenichi Ohara, Meijo University, Japan
- 13:20 Novel Concept of Human-Robot Collaborative Work for
 Manufacturing Systems ~Expectations for “GOH-GYO” between
 humans and robots~
 Hiroki Murakami, IHI Corporation, Japan
- 13:40 GOH-GYO
 Satoshi Abe, Manufacturing Science and Technology Center,
 Japan
- 14:00 Development of Manual Work Monitoring System toward
 Collaboration Work with Labor and Robot
 Takuya Sunakawa, IHI Corporation, Japan
- 14:20 (To be announced)
 Shunsuke Hamasaki, Chuo University, Japan
- 14:40-14:50 Break
- 14:50-16:10 Technical Speech 2
 Chair: Tamio Tanikawa, AIST, Japan
- 14:50 Introduction of AI • Robot Platform with different robot middleware
 for AI-driven Robot for Embrace and Care (AIREC)
 Kenichi Ohara, Meijo University, Japan

- 15:10 Expectations for human robot collaboration towards industrial RaaS (Robot as a Service)
Toshio Moriya, Research and Development group, Hitachi, Ltd., Japan
- 15:30 For the balancing of productivity and mental stress on human-robot synchronized collaborative manufacturing
Yuki Tsukamoto, Yuta Saito, Masahiro Yamashita and Masao Sugi*, The University of Electro-Communications, Japan
- 15:50 Toward Collision Tolerance and Brisk Motion with Variable Stiffness and Bingham Damper Mechanism
Yasumichi Aiyama, University of Tsukuba, Japan
- 16:10 Discussion and Closing