



Pioneering Industry 4.0 Technologies & Smart Robotics - Global Perspectives from the Leading Research Institutes IAT (RWTH Aachen/Germany) and WISE-SSS (Tokyo Tech)

Address: Tokyo Tech, 2 Chome-12-1 Ookayama, Meguro City, Tokyo 152-8550, Japan

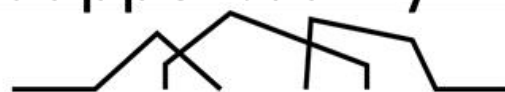
Date: 29. February 2024 | Time: 10:30 – 18:00

10:30 – 10:40	Welcome and Opening	
10:40 – 11:10	Introduction of WISE-SSS program	Prof. Kei Sakaguchi
11:00 – 11:40	Introduction of IAT program	Prof. Dr.-Ing. Tobias Kleinert
11:40 – 13:00	Lunch	
13:00 – 14:00	Presentations from IAT 1. Asset Administration Shell in a Nutshell and its Applications in Industry 2. Automatic simulation coupling with a data management platform 3. A Python-to-Structured Text Compiler with IEC 61131-3 Compliance	Dr.-Ing. Torben Miny Tamas Farkas Yuanchen Zhao
14:00 – 14:45	E-Poster Presentations by Tokyo Tech PHD-students +Q&A	See Topics and Presenter listed below
14:45 – 15:30	E-Poster Presentations by RWTH Aachen PHD-students +Q&A	See Topics and Presenter listed below
15:30 – 17:30	Visits to 2 R&E Fields (Smart Robotics Sky, Smart Robotics Aqua)	Prof. Takeshi Hatanaka Prof. Motomu Nakashima
17:30 – 18:00	Wrap Up	
18:00	Networking Dinner	

Date: 01. March 2024 | Time: 10:00 – 12:00

10:00 – 11:00	Visits to 2 R&E Fields (Smart Robotics Manufacturing and Smart Mobility)	Prof. Takeshi Hatanaka Prof. Tomohisa Tanaka Prof. Yu Tao
11:00 – 12:00	Wrap Up and Closing	

Supported By:



DWIH Tokyo



Land der Ideen



Pioneering Industry 4.0 Technologies & Smart Robotics - Global Perspectives from the Leading Research Institutes IAT (RWTH Aachen/Germany) and WISE-SSS (Tokyo Tech)

Address: Tokyo Tech, 2 Chome-12-1 Ookayama, Meguro City, Tokyo 152-8550, Japan

Date: 29. February 2024 | Time: 10:30 – 18:00

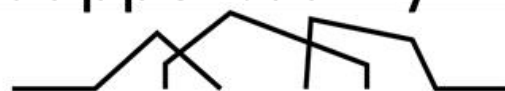
E-Poster Presentations by RWTH Aachen

1. A Python-to-Structured Text Compiler with IEC 61131-3 Compliance (**Yuanchen Zhao**)
2. Automated Application of Semantic Matching (**Sebastian Heppner**)
3. Automated Identification of Plant Configurations using Process Descriptions provided by Knowledge Based Systems (**Michael Winter**)
4. Automatic simulation coupling with a data management platform (**Tamas Farkas**)
5. Data-based assessment and configuration for field devices of a process plants (**Ramy Hana**)
6. Dynamic component and module integration in process automation (**Shagufta**)
7. General discovery approach with general-purpose query language in the domain of semantic descriptors in industrial automation (**Igor Garmaev**)
8. Metadata-supported Data Provision and Pre-Processing for Data Analytics Applications in the Field of Technical Process (**Wan Li**)
9. Standard concept for the data collection of products throughout their life cycle (**Wei Guo**)

E-Poster Presentations by Tokyo Tech

1. Title not yet defined (**Ragib Amin Nihal**)
2. Title not yet defined (**Tan Sihan**)
3. Title not yet defined (**Ai Yaotian**)
4. Title not yet defined (**Khan Nabeela Khanum**)
5. Title not yet defined (**Wei Junhao**)
6. Title not yet defined (**Takumi Ito**)
7. Title not yet defined (**Taichi Tanaka**)
8. Title not yet defined (**Yuya Okada**)
9. Title not yet defined (**Muhammad Hanif**)

Supported By:



DWIH Tokyo



Land der Ideen