

Expanding Horizons with ROS-Industrial in Asia Pacific 2017

25 - 26 May

Organized by



In partnership with



ROS Industrial Asia Pacific Launch

This event serves as a platform that facilitates interaction between representatives from industry and universities, enabling knowledge sharing and expertise on ROS related applications and development. Participants will be able to obtain information on new technologies, components, tools and recent trends in the ROS-Industrial community. We seek to create insightful discussions on ROS capabilities and how ROS can contribute to the Industry in Asia Pacific. A technical mapping session will be conducted to support the Asia community to address future needs and effort.

Participant Fee

\$250

Includes Day 1 Lunch, Dinner,
Day 2 Lunch and an event polo
shirt.



REGISTER NOW

<http://rosindustrial.org/roasi-asia-pacific-workshop-registration-2017>

Key Speakers



Dr. Kimberly HAMBUCHEN
Human Robotic Systems
Deputy Project Manager,
NASA Johnson Space
Centre

Topic: ROS and NASA



Tully FOOTE
ROS Platform Manager,
OSRF

*Topic: ROS and ROS2
Development*



Paul EVANS
Director, Manufacturing
Technologies, Southwest
Research Institute® (SwRI®)

*Topic: ROS-I Consortium
Americas Update - Highlighting
2016 Accomplishments And
Future Direction*



Niels Jul JACOBSEN
CTO, Mobile Industrial Robots
ApS

*Topic: Automatic
Transportation Of Carts Using A
Hook*



Dr. Mirko BORDIGNON
Senior Expert, ROS-Industrial
Europe Program Manager,
Fraunhofer IPA

*Topic: Connecting Automation
Stakeholders Through Open-
Source Software*



Hai CHANG
Cofounder and Inside Director,
Blue Workforce Robotics (Asia
Pacific) Co. Ltd.

*Topic: An Innovative Robotics
Platform for Simplifying and
Accelerating Deployments in the
Food Industry*

Location

Advanced Remanufacturing and Technology
Centre (ARTC)

3 Cleantech Loop, CleanTech Two,
#01-01, Singapore 637143



Dr. Toshio MORIYA
Senior Chief Researcher,
Center for Technology
Innovation, Research and
Development Group, Hitachi,
Ltd.

Topic: Application System



Email: ros-i_asia@artc.a-star.edu.sg | rosindustrial.org

ROS - Industrial Asia Pacific Workshop - 2017 Program Agenda

DAY 1 | 25 MAY 2017

TIME	TITLE	PRESENTER
8:00 AM	Bus Transport pick up from Rendezvous Hotel to ARTC	
8:30 AM	Registration, Coffee & Tea	Everyone
9:15 AM	Kick off Launch	Dr. David Low, Paul Evans, Prof. I-Ming Chen
9:30 AM	ROS Industrial Asia Pacific Consortium	Min Ling Chan, ARTC
10:00 AM	ROS-I Consortium Americas Update - highlighting 2016 accomplishments and future direction	Paul Evans, SwRI
10:30 AM	Coffee Break	Everyone
10:50 AM	Looking forward to ROS2	Tully Foote, OSRF
11:20 AM	An Innovative Robotics Platform for Simplifying and Accelerating Deployments in the Food Industry	Hai Chang, Blue Workforce Robotics (Asia Pacific)
11:50 AM	Automatic transportation of carts using a Hook	Niels Jacobsen, Mobile Industrial Robots
12:20 PM	Lunch	
1:00 PM	Photo Taking and Demonstration at Workshop (level 1), Exhibition	Everyone
2:00 PM		
2:30 PM	National Robotics Strategy for Singapore	Rayner Ng, NRPO
2:45 PM	Multi-platform Digital Twins for Cobots	Dr. Steve Kerrison, ARTC
3:00 PM	Coffee Break	Everyone
3:30 PM	Virtual Fort Knox - an open cloud platform for smart manufacturing	Christian Henkel, Fraunhofer IPA
4:00 PM	ROS Technical Roadmapping Breakout Session: 1) Challenges with ROS 2) ROS-Industrial Roadmap and focus points 3) ROS-Industrial APAC challenges	Facilitators: 1) Tully Foote, OSRF 2) Paul Evans, SwRI 3) Min Ling Chan, ARTC
5:00 PM	Wrap up for Day 1	Nicholas Yeo, ARTC
5:15 PM	Bus Transport from ARTC to Dinner	Everyone
6:00 PM	Networking Dinner at Spruce Restaurant	Everyone
9:15 PM	Bus Transport pick up from Spruce Restaurant to Rendezvous Hotel	

DAY 2 | 26 MAY 2017

TIME	TITLE	PRESENTER
8:15 AM	Bus Transport pick up from Rendezvous Hotel to ARTC	
9:00 AM	ROS-Industrial: Strength in numbers for automation	Dr. Mirko Bordignon, Fraunhofer IPA
9:30 AM	ROS and NASA	Dr. Kimberly Hambuchen, NASA Johnson Space Centre
10:00 AM	Development of Warehouse Robots for Efficient Flow of Various Materials	Dr. Toshio Moriya, Hitachi
10:30 AM	Coffee Break	Everyone
10:50 AM	Wrapping ROS Industrial with a nice looking and intuitive graphical user interface	Prof. Trygve Thomessen, PPM AS
11:20 AM	ROS for Mobile Robotics	Asadollah Norouzi, Singapore Polytechnic
11:50 AM	Visual Marker-Guided Mobile Robot Solution for Automated Item Picking in A Warehouse	Reeve Chong, NTU
12:20 PM	Lunch	
1:00 PM	Exhibition / Demonstration	Everyone
2:00 PM	Lightning Talks	3mins each
2:30 PM	Singapore's Industrial Robotics Program	Dr. Marcello Ang, NUS
3:00 PM	Coffee Break	Everyone
3:30 PM	Development of an Open Software Structure for Collaborative Manipulator	Prof. Tan Jindong, Aubo Robotics
4:00 PM	Closing	Nicholas Yeo, ARTC
4:30 PM	Bus Transport pick up from ARTC to Rendezvous Hotel	