



robotx
INTERACTIVE FORUM

2019 RobotX Interactive Forum

December 4-6, 2019 | Suntec Singapore International Convention & Exhibition Centre

Wednesday, December 4th

<i>Singapore Local Time</i>	<i>Location</i>	<i>Activity</i>
8:15am - 8:45am	Rm 302	Caffeinate with BumbleBee • Insight into inner workings of a RobotX team
	Rm 303-304	<i>Open for early arrivals</i>
9:00am - 9:10am	Rm 303-304	Welcome COL Huang, Victor Deputy Future Systems and Technology Architect (Concepts) / Director Systems & Concepts Group, Future Systems and Technology Directorate (FSTD)
9:15am - 9:45am	Rm 303-304	Keynote Shaping the Robotics Wave Prof. Quek, Tong Boon Chief Executive, National Robotics Programme Office (NRPO)
9:50am - 10:20am	Rm 303-304	Maritime Technologies Mr. Ting, Thomas Deputy Director (Innovation, Technology and Talent Development Division), Maritime and Port Authority of Singapore (MPA)
10:25am - 10:40am	Rm 303-304	Poster Spotlight 1 Korea Advanced Institute of Science and Technology • Top student posters invited to present (8-10 min presentation, 5 mins Q&A)
10:40am - 11:00am		Break
11:00am - 11:25am	Rm 303-304	Startup Showcase BEEEX - From a Student Team to a Startup Mr. Goh, Eng Wei. Founder, BEEEX
11:30am - 11:55am	Rm 303-304	Startup Showcase Subnero - Developing underwater internet Mr. Ignatius, Manu. CEO, Subnero
12:00pm - 1:15pm	Nicoll 3	Lunch
1:20pm - 2:20pm	Rm 303-304	Maritime Autonomy Panel Dr. Stark, Julie Dr. Evans, Bradley. Group Leader Littoral Sensing and Processing, Defence Science and Technology Group Mr. Kum, Chee Meng. VP Digital Transformation, Singapore Technologies Engineering Ms. Chia, Grace, Co-Founder, BeeX Autonomous Systems
2:25pm - 2:40pm	Rm 303-304	Poster Spotlight 2 Embry-Riddle Aeronautical University • Top student posters invited to present (8-10 min presentation, 5 mins Q&A)
2:40pm - 3:00pm		Break
3:00pm - 3:45pm	Rm 302	Tutorial SolidWorks
3:45pm - 4:30pm	Rm 302	Tutorial Prep for Hackathon I
4:30pm - 5:00pm	Rm 303-304	Singapore Maritime R&D Roadmap Dr. Kuttan, Sanjay Chittarajan Executive Director, Singapore Maritime Institute (SMI)
6:00pm - 8:00pm	EMPRESS at the Asian Civilisations Museum	Welcome Reception • Light refreshments provided



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Thursday, December 5th

<i>Singapore Local Time</i>	<i>Location</i>	<i>Activity</i>
8:15am - 8:45am	Rm 302	Caffeinate with RAER <ul style="list-style-type: none">• Insight into inner workings of a RobotX team
	Rm 303-304	<i>Open for early arrivals</i>
9:00am - 9:10am	Rm 303-304	Welcome Prof. Chirikjian, Gregory Head of Department of Mechanical Engineering, National University of Singapore
9:15am - 9:45am	Rm 303-304	Keynote Dr. Evans, Bradley Group Leader Littoral Sensing and Processing, Defence Science and Technology Group
9:50am - 10:20am	Rm 303-304	Data Sharing Student Panel Mr. Qaiyumi, Aamir <ul style="list-style-type: none">• Seeking answers on best practices and methods for data sharing
10:25am - 10:40am	Rm 303-304	Poster Spotlight 3 National Chiao Tung University <ul style="list-style-type: none">• Top student posters invited to present (8-10 min presentation, 5 mins Q&A)
10:40am - 11:00am		Break
11:00am - 11:25am	Rm 303-304	Industry Presentation Mr. Yue, Andrew Vice President (Unmanned Systems), Singapore Technologies Engineering (Electronics) - Large-Scale System Group
11:30am - 11:55am	Rm 303-304	Industry Presentation Nvidia ISAAC SDK and Simulator for Robotics Developers Dr. Karuppiah, Ettikan Director, Developer's Ecosystem, Nvidia
12:00pm - 1:15pm	Nicoll 3	Lunch
1:20pm - 2:20pm	Rm 303-304	Industry Presentation Mr. Goodrich, Bradley. Innovation Technical Director, PEO USC S&T Dr. Stark, Julie. Science & Technology Manager for Combatant Craft, NAVSEA CCD
2:25pm - 2:40pm	Rm 303-304	Poster Spotlight 4 Korea Advanced Institute of Science and Technology <ul style="list-style-type: none">• Top student posters invited to present (8-10 min presentation, 5 mins Q&A)
2:40pm - 3:00pm		Break
3:00pm - 3:45pm	Rm 302	Tutorial MathWorks
3:45pm - 4:30pm	Rm 302	Tutorial Prep for Hackathon II
4:30pm - 5:00pm	Rm 303-304	Introduction to Technology Center for Off-Shore and Marine Singapore (TCOMS) Dr. Magee, Allan Director of Operations, Technology Centre for Offshore and Marine, Singapore (TCOMS)
5:15pm - 7:00pm	TCOMS Facility	Reception at TCOMS <ul style="list-style-type: none">• Transportation to TCOMS facility• Tour of TCOMS facility• Light refreshments provided



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Friday, December 6th

<i>Singapore Local Time</i>	<i>Location</i>	<i>Activity</i>
8:15am - 8:45am	Rm 302	Caffeinate with the RobotX Challenge Technical Director <ul style="list-style-type: none">• Insight into inner workings of the RobotX Challenge
	Rm 303-304	<i>Open for early arrivals</i>
9:00am - 9:10am	Rm 303-304	Welcome Ms. Cooper, Kelly Program Officer, U.S. Office of Naval Research, Advanced Naval Platform Division
9:15am - 10:40am	Rm 303-304	Interactive Discussion <ul style="list-style-type: none">• Evaluating advantages and disadvantages of current RobotX platform
	Rm 302	Hackathon <ul style="list-style-type: none">• Hackathon based on VRX simulation capabilities
10:40am - 11:00am		Break
11:00am - 12:00pm	Rm 303-304	Interactive Discussion (continued) <ul style="list-style-type: none">• Evaluating advantages and disadvantages of current RobotX platform
	Rm 302	Hackathon (continued) <ul style="list-style-type: none">• Hackathon based on VRX simulation capabilities
12:00pm - 1:15pm	Nicoll 3	Lunch
1:20pm - 2:20pm	Rm 303-304	Hackathon Highlights Results <ul style="list-style-type: none">• Hackathon• Poster• VRX
2:25pm - 2:40pm	Rm 303-304	Closing Remarks COL Huang, Victor Deputy Future Systems and Technology Architect (Concepts) / Director Systems & Concepts Group, Future Systems and Technology Directorate (FSTD)
3:00pm - 4:00pm	Rm 303-304	Farewell Reception