



**ASIA-PACIFIC
SUMMIT** SINGAPORE
2023

FOR INSPECTION & MAINTENANCE ROBOTICS

summit.sprintrobotics.org

SUMMIT PROGRAM

MARCH 22 - 23, 2023

INTERCONTINENTAL SINGAPORE



**AN INDUSTRY-SPECIFIC EVENT
FOR INSPECTION & MAINTENANCE ROBOTICS**



JOIN INDUSTRY PROFESSIONALS

Meet industry leaders across the global I&M robotics value chain, attend presentations to gain international perspectives and see the newest cutting-edge technologies and robotic developments from around the globe. Delegates will also enjoy many networking opportunities throughout the week to make (re)new(ed) connections.

March 21

SPRINT Robotics Asia-Pacific Chapter Meeting
SPRINT Robotics Action Group Remote Operators Meeting
Welcome Reception: Meet the Robots

March 22

SPRINT Robotics Asia-Pacific Summit
Women in Robotics lunch
Networking Dinner - Asian Civilisations Museum

March 23

SPRINT Robotics Asia-Pacific Summit

March 24

SPRINT Robotics Program Committee Meeting

ADVANCES IN I&M ROBOTICS

Inspection & Maintenance (I&M) robotics are reaching a new level of maturity. The industry is shifting from trialing to deploying technology, especially across the oil & gas and petrochemical industries. Reserve your seat to gain a global look at where the industry is today.

Scaling Robotic Deployments

Moving from the lab to the field

Offshore Robotics

Addressing challenges in and out of the water

Inspections for Robotics and Drones

Explore drones and digitizing the inspection process

Robotics for Storage Tanks

New technologies on site and in tanks

Remote Operations

Game changing ground robots and quadrepeds

Cleaning and Maintenance Robotics

The future of cleaning and NDT solutions

Data Platforms & AI

AI in action for condition monitoring and assessments



SUMMIT KEYNOTE SPEAKERS



Steve Smith

BP

"Robotic Field Worker Solution - Operational deployment best practices and processes"



Wan Abdullah Bin Wan Hamat

PETRONAS

"Industrial revolution NDE 4.0"



Krystian Pietrzyk

Nobian

"Robotics in chemical industry - contribution to sustainable, bigger picture"



Mauricio Calva

Chevron

"The future of facilities: Robotics, resident sensors and augmented reality"

Mr. KWANG Koon Way

Vice President • Environmental Sustainability
Singapore Economic Development Board

SUMMIT SPEAKERS



Peter Baker
Advanced Navigation
Senior Product Manager



Chris McCasky
Boston Dynamics
Sales Manager



Steve Smith
BP
Intelligent Operations
Principal



David Inggs
DroneDeploy
Head of Robotics



Liam Hanna
Eddyfi Technologies
Global Business
Development Manager,
Robotic Solutions



Marc Dassler
Energy Robotics
CEO and Co-Founder



Marian Dittmer
Energy Robotics
Product Owner & Solution
Architect



Arnt Erik Stene
Equinor
Senior Robotics Engineer –
Ground Robots and Flying
Drones



Anders Røyør
Equinor
Researcher Robotics



Sondre Olsen
Equinor
Technical Advisor for
Robotics



**Dr. Svein Ivar
Sagatun**
Equinor
Head of Robotics and Drones
– TDI FOS AIR



Duco Boer
Falcker
Chief Digital Officer



Niels Delore
Flyability
Managing Director



Nick Veitch
Geo Oceans
Managing Director



Michele Guarnieri
Hibot
CEO



Karanjot Singh
Nanyang Technological
University
Doctoral Candidate



Morten Urrang
Remotion
Founder and CEO



Ziad Al-Oqifi
Saudi Aramco
Capital Planning Engineer



Nicolai Husteli
ScoutDI
CEO



Chien Yung Tan
Shell
Senior Inspection Engineer



**Rahul Subramonian
Bama**
Solinas Integrity
Lead, Robotics Software and
Electronics Development



Matthias Biegl
Taurob
Co-Founder



Steve Verver
Terra Inspectioneering
General Manager



Chris Udell
Voliro
Business Development Lead



**Dr. Ekkehard
Zwicker**
Waygate Technologies
Productline Leader, Robotics

DAY 1 | March 22, 2023

MORNING

08:30h PLENARY SESSION, incl. KEYNOTE PRESENTATION Wan Abdullah Wan Hamat- PETRONAS; Mauricio Calva – Chevron

10:15h PANEL SESSION

10:45h EXHIBITOR PRESENTATIONS

AFTERNOON

13:45h

SCALING ROBOTICS DEPLOYMENTS

Universal Robot Residence

Steve Smith | BP

Results & Learnings from Deploying 50 Robots in the Oil & Gas Industry

Marc Dassler | Energy Robotics

Collaborative Development & Exploitation of new Applications by Asset Owner & Robotic Technology Provider – A Way to Speed up Innovation

Ekkehard Zwicker |

Waygate Technologies

OFFSHORE ROBOTICS

Hydrus Taking the Drone Revolution Under Water

Peter Baker | Advanced Navigation Challenges With Offshore Robot Deployment & ways to solve them

Sondre Olsen & Svein Ivar Sagatun | Equinor

15:45h

ROBOTIC & DRONE INSPECTIONS MIX

Independent Bi-axial Tilting Quadrotor for Aerial Manipulation and Contact-based NDT Testing

Karanjot Singh |

Nanyang Technological University

Productionizing Autonomous Asset Inspection

David Inggs | DroneDeploy

How to Digitalize Asset Inspections in the Maritime Industry

Nicolai Husteli | ScoutDI

ROBOTICS FOR STORAGE TANKS

Determining least Thickness on Aboveground Utilities Tanks Utilizing both Robot and Thermal Imaging

Ziad Al Oqifi | Saudi Aramco

Robotic Inspection of large Spherical Storage Tank under Inert Atmosphere at Shell Jurong Island (SJI) Utilizing Waygate Bike System Integrated with Multiple Platforms

Chien Yung Tan | Shell

Float Arm System for Inspection of Confined Spaces and Difficult to Reach Areas

Michele Guarnieri | Hibot

DAY 2 | March 23, 2023

MORNING

08:30h PLENARY SESSION, incl. KEYNOTE PRESENTATIONS Krystian Pietrzyk – Nobian; Steve Smith – BP

10:15h PANEL SESSION

10:45h EXHIBITOR PRESENTATIONS

AFTERNOON

13:30h

REMOTE OPERATIONS

Hiking Up and Down Stream; The end-user journey for Legged Mobile Robotics in Energy

Boston Dynamics

Anymal X Qualification - Testing and Integration in an Onshore Gas Processing Facility

Arnt Erik Stene & Anders Røyrøy | Equinor

How Ground Robots Reduce Greenhouse Gas Emissions

Matthias Biegl | Taurob

CLEANING & MAINTENANCE ROBOTS

Inspection & Maintenance Robotics for Fuel Tank Inspection at Shell, "Find a Problem, Fix a Problem"

Liam Hanna

Eddyfi Technologies

Small Rovers and Subsea Robotics – The future for Deployment of Integrated Cleaning and NDT Solutions

Nick Veitch | Geo Oceans

Robotic Fabric Maintenance of FPSO Hulls

Morten Urrang | Remotion

15:30h

DRONE INSPECTIONS MIX

How Indoor UAVs are Improving Safety and Speeding Up Turnarounds in Oil and Gas

Niels Delore | Flyability

Drone Based UTG (Thickness Measurements) for asset & Confined Space Inspections

Steve Verver

Terra Inspectioneering

Unleashing the Power of the Voliro T Aerial Robot for Inspection and Maintenance

Chris Udell | Voliro

DATA PLATFORMS & AI

Falcker Asset Care Platform for Condition Monitoring

Duco Boer | Falcker

Unlocking the Future of Inspection Robotics with AI skills

Marian Dittmer

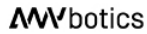
Energy Robotics

Conditional Assessment of Wash Pipelines using AI

Rahul Subramonian Bama

Solinas Integrity

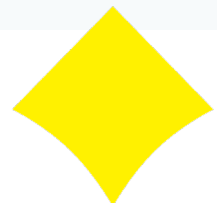
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MAXIMIZE NETWORKING OPPORTUNITIES



MARCH 21 - Welcome Reception: Meet the Robots

InterContinental Singapore, Ballroom 1 | 17:30-18:30h

What better way to familiarize yourself with new technologies and meet exhibitors, than at the Welcome Reception the evening before the Summit begins? Come by Ballroom 1, grab a drink and take advantage of a great networking opportunity.

Delegates only

MARCH 22 - "Women and Robotics: Workforce of the Future"

InterContinental Singapore | Lunch

On Day 1 of the Summit, join the Women and Robotics lunch group, a new initiative of SPRINT Robotics.

Delegates only



EMPRESS

NETWORKING DINNER IN AN ICONIC SETTING

The perfect juxtaposition of traditional Chinese food in a contemporary dining room, to be enjoyed in an iconic setting by the Singapore River. Located in the Asian Civilisations Museum, the Empress delivers traditional cuisine and a vibrant atmosphere. Set in the heart of Singapore, the Networking Dinner is an exclusive occasion to make new connections and discover potential opportunities.



March 22

**Empress Restaurant at
Singapore's Asian
Civilisations Museum**

18:30-22:00h

US\$145

BOOK NOW



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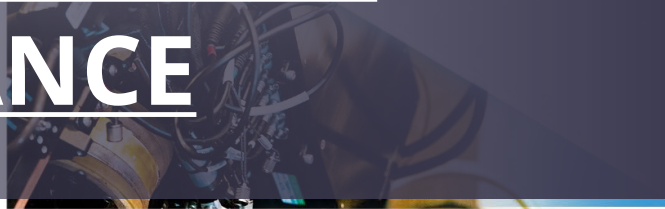
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**EXPLORE THE
POSSIBILITIES
UTILIZING ROBOTICS
FOR INSPECTION &
MAINTENANCE**



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