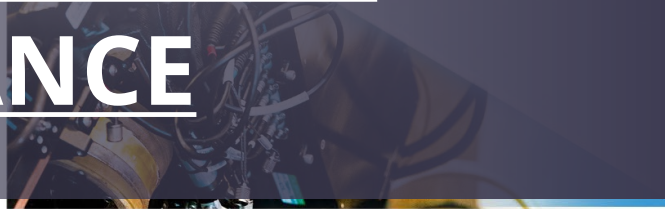




**ASIA-PACIFIC  
SUMMIT** SINGAPORE  
2023  
FOR INSPECTION & MAINTENANCE ROBOTICS

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



**MARCH 22 - 23, 2023**

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# 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  
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



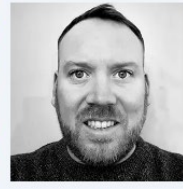
**Chris McCasky**  
Boston Dynamics  
Sales Manager



**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 Røyrvåg**  
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

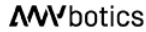
Conditional Assessment of Wash Pipelines using AI

Rahul Subramonian Bama

Solinas Integrity



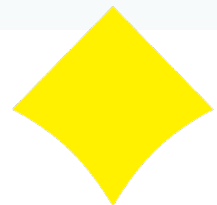
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# MAXIMIZE NETWORKING OPPORTUNITIES



## **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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