## INNOVATION DAY: INDUSTRIAL AUTOMATION BRISBANE 2019 - AGENDA

### Wednesday, July 31

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<th>Time</th>
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<tr>
<td>8:00am</td>
<td>Registration + Light Breakfast</td>
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<tr>
<td>9:00am</td>
<td>Welcome Address - Gareth O'Reilly, Schneider Electric</td>
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<td>9:10am</td>
<td>Keynote: Triple Zero and the Circular Economy - Ann Burns, Managing Director Natural Resources ANZ, Accenture</td>
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<td>9:40am</td>
<td>Leading in digital transformation - Neil Smith, Schneider Electric, plus guest speaker Damien McDade, AVEVA</td>
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<tr>
<td>10:10am</td>
<td>Morning Tea</td>
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<td>10:40am</td>
<td>Panel Discussion: Digital Transformation - a part of digital transformation and where does the journey take us?</td>
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<td>11:20am</td>
<td>Innovation Hub Tours</td>
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<tr>
<td>12:05pm</td>
<td>Networking Lunch and Innovation Hub Tours</td>
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### BREAKOUTS

<table>
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<th>Time</th>
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<tr>
<td>12:50pm</td>
<td><strong>BREAKOUT 1</strong> Digital Transformation Case Study: Sydney Water.</td>
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<td>Mike Wassell, Head of Operational Technology Services, Sydney Water</td>
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<td>1:30pm</td>
<td><strong>BREAKOUT 2</strong> Digital Twin in Mining</td>
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<td>Scott Gooding, ARIC Senior Sales Executive, APM, AVEVA</td>
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<td>2:10pm</td>
<td><strong>BREAKOUT 3</strong> Adapting to the speed of changing requirements</td>
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<td>Tim Sowell, Digital Portfolio Strategy, AVEVA</td>
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<td>2:50pm</td>
<td><strong>BREAKOUT 4</strong> Total Cost of Ownership - Sounds like Money</td>
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<td>Lanny Carr, Consulting Business Partner Oil, Gas &amp; Petrochemical Segment, Schneider Electric</td>
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### Lunch and Networking

- **12:05pm** Networking Lunch and Innovation Hub Tours
- **2:10pm** Afternoon Tea and Innovation Hub Tours
- **3:00pm** TBA
- **3:10pm** The Journey to Sustainable Asset Performance - A Mining Perspective
  - Doug Munro, Maintenance and Asset Manager, Idemitsu
- **3:30pm** Smart Machines of the future
  - Panel:
    - Moderator - Paul Morton, Schneider Electric
    - David Søe, CEO & Philosopher, Advent
    - Jonathan Price, Capital Engineering Campbell Arnott's
    - Patrick O'Malley, National Automation Manager, Simplot Australia Pty. Ltd.
- **3:50pm** Streams Wrap-Up
- **4:20pm - 6:20pm** Cocktail Reception & Networking
INNOVATION DAY: INDUSTRIAL AUTOMATION BRISBANE 2019 - AGENDA

Leadership in Digital Transformation
9:40am - 10:10am

Neil Smith - VP Industry Hub Pacific, Schneider Electric
Neil Smith is an accomplished global business leader with a track record of delivering business profitability and sales growth in a competitive business environment. Offering a unique blend of leadership, technical and commercial skills, Neil has lived digital transformation. He has experienced the principles used to accelerate digital transformation and understands the benefits that come with this continual change. Learn how you can keep up with the speed of change - so you don't miss out on what is coming next.

Damien McDade - Director, Software Pacific Zone at AVEVA
Damien McDade has been the Head of Pacific for AVEVA (previously Schneider Electric Software) since 2016, where he helps industrial customers accelerate their digital transformation journeys. He will talk about:

- How AVEVA works with customers to deliver end-to-end solutions across the asset and operations lifecycles.
- The next wave of industrial innovations can put the Cloud, IoT, AI and virtual reality to work in powerful ways.

Panel Discussion: Digital Transformation - a part of digital transformation and where does the journey take us?
10:40am - 11:20am

Welcome
9:00am - 9:10am

Gareth O'Reilly - Zone President and Managing Director, Australia and New Zealand, Schneider Electric
Digital technology has transformed our world – and with new innovations every day, the rate of change is only increasing. With more than half of the companies in the Fortune 500 having been disrupted out of existence since 2000, it is clear that in order to survive, businesses must embrace change. In this welcome address, we challenge you to think about the changes you can make today, and how this type of forward thinking can allow you to make the most of new opportunities.

Keynote: Triple Zero and the Circular Economy
9:10am - 9:40am

Ann Burns - Managing Director Natural Resources, Accenture
Ann Burns leads Accenture's Natural Resources team for Australia and New Zealand, where she helps mining, chemicals, energy, utilities and water companies adapt and thrive as they face the disruptive changes and seismic shifts in industry dynamics. Her real passion is in finding answers to the challenging questions that digital innovation is asking. If digital is inevitably going to be the catalyst for change how do you avoid digital disappointment? How do you manage an ambidextrous organisation with the old world and new world in parallel? Can data truly be monetised? How best to elevate people with the use of technology and create exceptional workforce experiences?

Panel Discussion: Digital Transformation - a part of digital transformation and where does the journey take us?
10:40am - 11:20am

Moderator: Nicole Blackburn
Commercial Director - Digitisation, Schneider Electric

Javier Orellana
Project Director, Decision Automation, BHP

Mike Wassell
Head of Operational Technology Services, Sydney Water

Tony Hunter
Food Scientist, Futurist For Food

Tony Knight
Chief Government Geologist

Grantly Meulders
Engineering Manager, Global Supply Chain, Schneider Electric

Life Is On
Breakout 1

Digital Transformation Case Study: Sydney Water
12:50pm - 1:30pm
Mike Wassell - Head of Operational Technology Services, Sydney Water

Mike Wassell the head of Operational Technology Services at Sydney Water will provide us with a case study in the Digital Transformation's occurring in the operational technology areas at Sydney Water. Sydney Water continue to invest in new automation technologies that will supplement and eventually supplant traditional SCADA architectures. These new technologies help to ensure that the water, sewer and drainage assets are fit for purpose and continue to provide significant operational technologies and customer service benefits. Mike will talk about how new technology is being integrated into traditional SCADA networks today and the ways Sydney Water is working to lead this shift.

- Optimising SCADA technology to get in front of operational events (pro-active Vs reactive)
- Learn how Sydney Water is leading the shift in IT and OT collaboration
- Discover the extension of operational technology into traditional work types such as CCTV assessment of sewer pipes and
- Understand how merging the asset and customer information together provides better insights to customer outcomes.

Panel: What if the shoe doesn’t fit, or you can't afford it..., a Tale of two cities (towns)
1:30pm - 2:10pm
Panel:

Moderator: Simon Zander
Schneider Electric
Andrew Sales
Coffs Harbour City Council
Matt Wilkie
Townsville Council
Mike Wassell
Sydney Water

Join us for an engaging session to discuss the challenges that different size water utilities face in their digital transformation journey’s. From large organisations that have the resources, both financial and human, through to smaller organisations who have many different asset types other than traditional water assets. We may find that being a small utility allows for an agile approach to changing trends, while being a large utility provides many internal stakeholder challenges.

At the Edge or in the Cloud? Where to get the best data insights for improved operational efficiency
2:10pm - 2:50pm
Fahd Saghir - Digital Solutions Manager, Schneider Electric

Definition of Edge Computing is driven by both the IT and OT domains. From an IT perspective, an Edge Computing node may be a network switch or server sitting at the extremities of the Enterprise layer and will be the logical bridge to the OT domain.

From an OT perspective, an Edge Computing node can sit at the PLANT or EQUIPMENT Level. However, for Edge Analytics to be of most value, it is important to consider where such a solution would add most value in the decision chain, and in case of operational efficiency this would be at the remote sites where operators can take corrective action in near real-time based on analytics feedback.

Edge Analytics fills a critical gap in the IIoT space where customers want to take advantage of Artificial Intelligence, Machine Learning and Analytics right at the source of data generation.
Breakout 2

Digital Twin in Mining
12:50pm - 1:30pm

Dave Such & David Gooding

- Breaking the silos in the DBOM model (Design-Build-Operate-Maintain) can drastically reduce TOTEX in complex industrial operations
- How a true Digital Twin can display current performance and keep engineering data up to date
- From 1D, 2D, 3D and onwards to Augmented and Virtual Reality.

Safety and productivity through digital transformation
1:30pm - 2:10pm

Scott Hunter - Regional Business Lead, Manufacturing & Resources, Asia Microsoft

Today, customers want more than just software. These customers are looking for partners to help them navigate their Digital Transformation journey.

Scott has deep domain expertise in Discrete and Process Manufacturing, Oil & Gas, Utilities, Mining and Precision Agriculture.

In addition, Scott has in depth solution knowledge of Supply Chain Management, Industry 4.0, IoT, AI, Machine Learning, Predictive Analytics and Digital Transformation.


The digitisation of power distribution – design for outcomes
2:10pm - 2:50pm

Sekhar Nandkumar - Solution Architect, EcoStruxure Power, Schneider Electric

Discover how digital applications and IT/OT convergence in power management can make your facilities more reliable, safe and efficient.

The Journey to Sustainable Asset Performance
– A Mining Perspective
3:10pm - 3:50pm

Doug Munro - Maintenance and Asset Manager, Idemitsu Australia Resources

Sustainability is a relatively recent term in engineering but keeping whole plants running and upgrading them long after their design life, combined with refurbishing components rather than purchasing new, all the while managing risk, requires very similar decision making processes as today's topic of reconciling sustainability with production. In this talk, Doug will discuss the various issues facing asset managers in the mining industry in regard to sustainability, and raise key questions needing further work. Digital is a key capability that will assist in this task.
Breakout 3

Adapting to the speed of changing requirements
12:50pm - 1:30pm
Tim Sowell - Digital Portfolio Strategy at AVEVA

The accelerated pace of change, in many aspects of the Consumer Packaged-Goods (CPG) supply chain, operations, product definition, workforce etc, is now the “new norm”. You cannot ride out time expecting things will return to a traditional pace. The world is experiencing accelerated change and shorter product cycles, so companies must master this variation & change and turn it into opportunity. "Digital transformation” provides that opportunity. This presentation will outline reality strategies & approaches in the CPG Industry.

Panel: Does a smart supply chain improve Traceability and Quality?
1:30pm - 2:10pm

Panel:

Moderator: Jeanette Roberts Consulting
Jeanette Roberts Consulting
Tim Sowell Digital Portfolio Strategy at AVEVA
Tony Hunter Futurist For Food
David Soo CEO & Philosopher Advent
Patrick O'Malley National Automation Manager Simplot Australia

Panel discussion: Despite more and more complex and stringent regulation and standards, the Food industry still faces Food scandals, Product recalls and counterfeiting leading to a lack of confidence from end-consumers. They want more transparent information as they question the products they are buying and want to know what is in it and from where it comes from. Thanks to Digital Transformation, solutions and technologies are available now to ensure traceability and transparency across the end-to-end food supply chain in building and recovering end-consumer trust.

Explore how industry collaboration and the use of open, interoperable standards supports supply chain traceability. Get a sense of what industry currently is working on, and how influence from consumers and government is driving the development for better supply chain traceability.

Security considerations in a ultra-connected world.
2:10pm - 2:50pm
Peter Clissold - Senior Industrial Cyber Security Consultant and Offer Manager Pacific, Schneider Electric

There are unique cybersecurity challenges for Food & Beverage manufacturers, & many things to learn & apply from the experiences of industry & critical infrastructure. Schneider Electric’s diverse capabilities and customer base provides a unique backdrop to understanding the rapidly evolving cybersecurity landscape & solution approaches. This session provides vital information regarding the key security challenges, threats & risks impacting Industrial control systems, & discover the best practices for applying cyber security.

Panel: Smart Machines of the future
3:10pm - 3:50pm

Panel:

Moderator: Paul Stute
Jeanette Roberts Consulting
Tim Sowell Digital Portfolio Strategy at AVEVA
Tony Hunter Futurist For Food
David Soo CEO & Philosopher Advent
Patrick O’Malley National Automation Manager Simplot Australia

Moderator: Paul Morton
Jonathan Price Capital Engineering Campbell Arnott’s
David Soo CEO & Philosopher Advent
Patrick O’Malley National Automation Manager Simplot Australia

Everything is becoming smarter. What are some of the latest technologies, and how are they being used already today.

Discuss the “State-of-the-art” machine solutions available now. Learn how you too can achieve high speed precision and control, regardless of the complexity, achieving maximum output whilst significantly reducing the energy usage footprint of your machines.
Breakout 4

Total Cost of Ownership - Sounds like Money
12:50pm - 1:30pm
Lanny Carr - Consulting Business Partner, Oil, Gas & Petrochemical Segment, Schneider Electric

The cost of unreliability, maintenance costs and operating costs exceed the capital cost of equipment several times. Understanding the makeup of the life cycle cost is therefore imperative.

Improve Reliability and Safety Design of MV Equipment
1:30pm - 2:10pm
Steven Trainer - Marketing Manager, Medium Voltage
Nikolas Gresshoff - Field Services Senior Marketing Manager

Increased connectivity to electrical assets allows of a change in maintenance and planning strategy from reactive to condition based maintenance. This session will present how technology & software integration can help better manage these assets through Thermal and ambient monitoring, Remote control, Arc flash protection, Predictive services, Asset management cloud and analytics platform.

Open Process Automation - the future of DCS
2:10pm - 2:50pm
Trevor Cusworth - Strategic Account Executive, Schneider Electric

To survive in business, industrial manufacturers like all companies must continually increase productivity and customer satisfaction. The industrial control systems that manufacturers use to automate their processes are critical to the company’s productivity and product quality. To increase the business contribution from control systems, manufacturers need:
1. Increases in operational benefits from improved capabilities
2. Improvements in cybersecurity compared to currently available systems
3. Reductions in the system's capital and lifecycle costs

For several reasons, currently installed control systems are predominantly closed and proprietary. This is in contrast to the open, interoperable network of instrumentation devices below them and the Information Technology (IT) systems above them in the typical automation hierarchy. Closed, proprietary systems are expensive to upgrade and maintain, and challenged when trying to insert new technology, especially from third parties.

The Open Process Automation Forum will define standards for an open, interoperable, secure process automation architecture. The standards enable development of fit-for-purpose systems consisting of cohesive functional elements acquired from independent suppliers and integrated easily via a modular architecture characterized by open standard interfaces between elements.

Human Performance and Digital Transformation
3:10pm - 3:50pm
Rik De Smet - National Business Development Manager, Schneider Electric

Digital transformation has created constant pressure on people to operate faster and become more flexible. Let’s explore how we improve human performance and accelerate transformation.