

2nd annual

INDUSTRIAL INTERNET 4.0

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SUMMIT

HARNESSING INDUSTRY 4.0 TO ADVANCE AUSTRALIA'S
MANUFACTURING SECTOR

BOOK BEFORE
FRIDAY 1ST DECEMBER 2017 AND
SAVE \$500! REGISTER ONLINE AT
www.iiotsummit.com.au

21-22 FEBRUARY 2018

SMC CONFERENCE AND FUNCTION CENTRE, SYDNEY | AUSTRALIA

FEATURING 14+ MANUFACTURING CASE STUDIES

- Consider the practical implementation of Industry 4.0 - move beyond the theory!
- Boost your manufacturing capability in a fiercely-competitive global economy
- Increase productivity and reduce costs through the digitalisation of your factory
- Overcome network and connectivity issues that are innate within factories
- Implement scalable and reliable IoT projects born out of successful pilots
- Build a robust security framework against the constant threat of cyber attack

Endorsing bodies:



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JOEL KLOOSTER
Vice President
GE Aviation Digital (USA)



GÖRAN ROOS
Former Member of the Prime Minister's
Manufacturing Leaders Group and Board
Chairman
VTT International (Finland)



GRANT ANDERSON
Group Chief Executive Officer
ANCA (Exporter of the Year)



REED LEIGHTON
Chief Executive Officer
Leighton O'Brien



TANIA MONTESIN
Regional Manufacturing Operations
Manager
Asahi Beverages



KEVIN WORRELL
Project Lead, Industrie 4.0
Dulux ANZ



CHRISTOPHER JANSSEN
Managing Director
GPC Electronics

INTRODUCTION

Australia's only IoT event dedicated to the future of manufacturing

Industry 4.0, the 4th industrial revolution, smart manufacturing, digital factories...these are some of the phrases being used today to describe a series of game-changing innovations that are changing the way products are manufactured for ever.

Now in its 2nd year, the **Industrial Internet 4.0 Summit** is Australia's leading event for the fast growing and business critical Industry 4.0 sector.

Over two information-packed days, over 200 delegates – drawn from manufacturing, think tanks, government, universities, research institutes and the ICT industry - will discuss, debate, and define the roadmap for Industry 4.0 success.

The programme showcases **award-winning manufacturers** which have been drawn from the US and Europe, as well key manufacturing states including NSW, Victoria, South Australia and Queensland.

They will show you how to embed smart devices and intelligence into products and processes to drive increased productivity and profitability.

BENEFITS OF ATTENDING

- Consider the practical implementation of Industry 4.0 - move beyond the theory
- Boost your manufacturing capability in a fiercely-competitive global economy
- Gain insights into the evolution of technology in the manufacturing sector
- Develop ROI strategies based on the proper analysis of risk and upfront investment
- Increase productivity and reduce costs through the digitalisation of your factory
- Overcome network and connectivity issues that are innate within factories
- Create an agile business model that provides a platform to implement IoT
- Equip staff with the necessary tools and skills to enable IoT adoption
- Discover how IoT can help you move away from a product centric to services model
- Reduce downtime through the use of predictive maintenance
- Hear early adopter IoT case studies that have placed data strategies at their core
- Implement scalable and reliable IoT projects born out of successful pilots
- Pinpoint who you should be partnering with and who you could partner with
- Build a robust security framework against the constant threat of cyber attack



AGENDA AT A GLANCE

DAY 1 FEBRUARY 21, 2018

	Registration
	MANUFACTURING 4.0: VIEW FROM THE FRONTLINE
	Networking break and showcase viewing
	CONNECTIVITY AND INTELLIGENCE
	Lunch and showcase viewing

Breakout Session: ROUNDTABLES

1: Predictive maintenance and asset management with IIoT	2: Operating more efficiently using IoT and analytics in your manufacturing operations	3: What to look for in an Industrial Internet of Things Cloud Platform	4: Why Cloud Edge Processing is the future of the Industrial Internet of Things (IIoT)	5: Network interoperability - securely connecting factory networks and endpoints
6: A digital twin approach for designing cost-effective maintenance strategies	7: Meeting the challenges of merging IT and OT for security success	8: Automating your industrial assets for greater profitability	9: Deploying intelligent manufacturing analytics	10: Building new business models with a focus on 'As-a-Service'

	Networking break and showcase viewing
	CONNECTIVITY AND INTELLIGENCE
	Networking Drinks

DAY 2 FEBRUARY 22, 2018

	Registration
	DIGITISING OPERATIONS
	Networking break and showcase viewing
	DIGITISING OPERATIONS
	Lunch and showcase viewing
	JOB'S AND INVESTMENT

EVENT HIGHLIGHTS

- 20+ information-packed sessions featuring national & international speakers
- 14 + manufacturing case studies - insights from the trenches
- 5 keynotes featuring national and international experts
- 4 highly-interactive panel discussions
- 10 interactive moderated roundtable discussions
- Dedicated EXPO solutions showcase highlighting IIoT technologies
- Networking functions



08:15 Registration and welcome coffee
08:50 Opening remarks from the Chair



STEPHEN JK PARKER
Assistant Professor

[UBSS \(Entrepreneurship, Innovation and Commercialisation\)](#)

MANUFACTURING 4.0 - VIEW FROM THE FRONTLINE

09:00 **INTERNATIONAL KEYNOTE: Minds and machines - connecting human and machine intelligence to deliver new value for industrial companies**

Under a ground-breaking partnership, data scientists, software developers and architects from GE and Qantas collaborated to distil some of the trillions of data points produced by the aviation sector annually into solutions that deliver greater fleet intelligence and operational insights.

- 🔗 Building connectivity between the digital and industrial world
- 🔗 Driving industrial transformation through data, advanced analytics, and machine learning
- 🔗 Leveraging the cloud to deliver on the promise of the industrial internet of things (IIoT)
- 🔗 Powering compute-intense workloads to manage machine-generated data
- 🔗 Mapping edge computing to turn data into actionable intelligence, available right at the edge



JOEL KLOOSTER
Vice President

[GE Aviation Digital \(USA\)](#)

09:30 **CASE STUDY PRESENTATION: Creating the 'Smart Enough' Factory: Sutton Tools Journey from Web 2.0 to Industry 4.0**

- 🔗 Leveraging IIoT technologies within a batch manufacturing environment
- 🔗 Moving from "things" to quantifiable business outcomes
- 🔗 Assessing the impact on the factory floor
- 🔗 Applying IIoT as a data management layer
- 🔗 Managing the cost of dealing with legacy systems
- 🔗 Building STEM skills (RAD tools and keeping 'new' skills to a minimum)



STEVE DOWE

Technology Manager

[Sutton Tools \(Manufacturer of the Year 2017\)](#)

10:00 **CASE STUDY PRESENTATION: Utilising IIoT for lean manufacturing: process improvement, compliance, and staff involvement**

Providing value to customers by:

- 🔗 Managing across borders with multiple factories
- 🔗 Achieving more robust processes
- 🔗 Delivering higher reliability by adding rules-based processing
- 🔗 Leveraging data-based analysis
- 🔗 Using historical process data for warranty



CHRISTOPHER JANSSEN
Managing Director

[GPC Electronics](#)

10:30 Morning tea and showcase viewing

11:15 **Developing international standards for the emerging 4th industrial revolution**

- 🔗 Ensuring standards enable interoperability
- 🔗 Sharing learnings for machinery, warehousing systems and production facilities
- 🔗 Developing standards that facilitate and support new production systems
- 🔗 Enhancing global supply chains through standardisation



DR BRONWYN EVANS
Chief Executive Officer

[Standards Australia](#)

11:45 **PANEL DISCUSSION: Industry 4.0: Turning ideas into reality**

- 🔗 What are the characteristics of tomorrow's smart factory?
- 🔗 How can you achieve the benefits of Industry 4.0?
- 🔗 Why work to increase know-how around Industry 4.0?
- 🔗 Which priorities need to be tackled first to enable a broad adoption?

Moderator:



STEPHEN JK PARKER
Assistant Professor

[UBSS \(Entrepreneurship, Innovation and Commercialisation\)](#)

Panellists:



JOEL KLOOSTER
Vice President

[GE Aviation Digital \(USA\)](#)



STEVE DOWE
Technology Manager

[Suttons Tools \(Manufacturer of the Year 2017\)](#)



CHRISTOPHER JANSSEN
Managing Director

[GPC Electronics](#)



DR BRONWYN EVANS
Chief Executive Officer

[Standards Australia](#)



CHARLIE MACDONALD
Chief Information Officer

[Schenker Australia](#)

02:20 **CASE STUDY PRESENTATION: Insights from Dulux factory of the future project**
Dulux has spent \$165 million to build a smart factory in Melbourne, integrating the infrastructure for advanced manufacturing, a smart building, the IIoT, and network connectivity across the supply chain.

- 🔗 Building a state-of-the-art Industrie 4.0 factory
- 🔗 Laying the ground for internet of things platforms
- 🔗 Integrating industrial internet with fully-integrated supply chain
- 🔗 Quantifying the ROI from IIoT technologies



KEVIN WORRELL
Project Lead, Industrie 4.0

[Dulux ANZ](#)

12:50 Networking Lunch and Showcase Viewing

13:50 BREAKOUT ROUNDTABLE SESSION

Attendees will have the option of attending 3 of 10 concurrent sessions (25 min per session).

- 🔗 Predictive maintenance and asset management with IIoT
- 🔗 Operating more efficiently using IIoT and analytics in your manufacturing operations
- 🔗 What to look for in an Industrial Internet of Things Cloud Platform
- 🔗 Why Cloud Edge Processing is the future of the Industrial Internet of Things (IIoT)
- 🔗 Network interoperability - securely connecting factory networks and endpoints
- 🔗 A digital twin approach for designing cost-effective maintenance strategies
- 🔗 Meeting the challenges of merging IT and OT for security success
- 🔗 Automating your industrial assets for greater profitability
- 🔗 Deploying intelligent manufacturing analytics
- 🔗 Building new business models with a focus on 'As-a-Service'

15:20 Afternoon tea and showcase viewing

CONNECTIVITY AND INTELLIGENCE

15:50 **CASE STUDY PRESENTATION: Leveraging IIoT within a manufacturing environment**

- 🔗 Taking a practical approach to predictive maintenance and operational considerations
- 🔗 Assessing the benefits for small-to-medium enterprises
- 🔗 Migrating IIoT from "things" to business outcomes



DAVID HART
Chief Executive Officer

[Dematec Automation](#)

16:20 **CASE STUDY PRESENTATION: Managing the economies of fuel storage with big data and analytics**

- 🔗 Analysing every drop of fuel that flows through your system
- 🔗 Managing your flow rates in real-time and saving costs with actionable insights
- 🔗 Building your advanced data collection capability in a manufacturing setting
- 🔗 Integrating data capture and storage with the cloud and IIoT platforms



REED LEIGHTON
Chief Executive Officer

[Leighton O'Brien](#)

16:50 **CASE STUDY PRESENTATION: From farm-to-plate supply chain - using the IIoT to ensure higher levels of food safety and traceability**

- 🔗 Leveraging predictive analytics to make smarter decisions
- 🔗 Building advanced planting, farming, and production in a connected environment
- 🔗 Developing real-time data collection and monitoring solutions using drones, sensors, satellites, connected tractors, cameras and other devices



GLENN BULLOCH
Innovation Officer - Processing

[Australian Country Choice](#)

17:20 **PANEL DISCUSSION: The 'analytics of things' - creating new value from industrial IIoT data**

- 🔗 Finding value in the new world of IIoT data
- 🔗 Understanding the "analytics of things" (AoT)
- 🔗 Finding ways to join machine intelligence and human-decision-making
- 🔗 Using the AoT to gain new insights and deliver actionable intelligence

Moderator:



STEPHEN JK PARKER
Assistant Professor

[UBSS \(Entrepreneurship, Innovation and Commercialisation\)](#)

Panellists:



DR IAN OPPERMANN
Chief Executive Officer

[NSW Data Analytics Centre](#)
[Department of Finance Services and Innovation](#)



SIAMAK TAFAVOUGH
Lead Data Scientist

[Coca Cola Amatil](#)



DEREK MUNN
Innovation and Technology Manager

[CSR Bradford](#)

17:50 Closing remarks from the Chair

18:00 End of Day One and networking drinks



08:30 Registration and welcome coffee

08:50 Opening remarks from the Chair

**GÖRAN ROOS**

Former Member, [Prime Minister's Manufacturing Leaders Group](#) & Chairman of the Board, [VTT International \(Finland\)](#) & Fellow, [Royal Swedish Academy of Engineering Sciences \(IVA\) \(Sweden\)](#)

DIGITISING OPERATIONS09:00 **INTERNATIONAL KEYNOTE: Beyond the technology - how do you innovate in a fiercely competitive global economy?**

- 🔗 Broadening your mind beyond technology into strategic innovation
- 🔗 Integrating manufacturing into a complex global environment
- 🔗 Managing the value chain and multiple operations that shift and change
- 🔗 Moving beyond government "handouts" to making innovation your sweet spot

**GÖRAN ROOS**

Former Member, [Prime Minister's Manufacturing Leaders Group](#) & Chairman of the Board, [VTT International \(Finland\)](#) & Fellow, [Royal Swedish Academy of Engineering Sciences \(IVA\) \(Sweden\)](#)

09:30 **CASE STUDY PRESENTATION: Enabling the factory of the future through robotics and digitisation**

In 2016, ANCA was inducted into the Australian Export Awards Hall of Fame. In 2015, it won the Exporter of the Year Award, and Australian Export Award - Manufacturing Award.

- 🔗 How robotics impact all aspects of 21st century manufacturing
- 🔗 New models to embrace and benefit from the 'robotic revolution'
- 🔗 Roadmap for connected manufacturing and adapting to change
- 🔗 Tackling the operational, business and cultural challenges

**GRANT ANDERSON**

Group Chief Executive Officer
[ANCA \(Exporter of the Year 2015\)](#)

10:00 **Security of Things - securing the globally-connected factory**

- 🔗 Adapting to a new era of cyber-security threats
- 🔗 Applying lessons for the manufacturing sector
- 🔗 Tackling industry concerns around IoT security
- 🔗 Strengthening the security framework
- 🔗 Clarifying domestic and international IoT security standards

**MATT TETT**

Chair, [Cybersecurity & Network Resilience IoTAA](#) & Managing Director, [Enex TestLab](#)

10:30 Morning tea and showcase viewing

11:10 **TAPPING INDUSTRIE 4.0 FOR SME'S BUSINESS GROWTH**

- 🔗 Ensuring SMEs remain the backbone of manufacturing
- 🔗 Adapting SME business models to Industry 4.0
- 🔗 Using digital platforms for rapid growth and internationalisation
- 🔗 Scaling your business in an internet-led economy
- 🔗 Creating new models to boost revenues and increase efficiency

**JASON FURNESS**

Chief Executive Officer
[Manufacturship](#)

11:40 **CASE STUDY PRESENTATION: Collaboration across the digital supply chain**

- 🔗 Revolution on the factory floor - taking a holistic approach to product design, planning, production engineering, execution and services
- 🔗 Integrating and digitalising the value chain to stay competitive in the future
- 🔗 Delivering value across the IoT ecosystem - from factory floor to a customer
- 🔗 Building a deeper knowledge of IoT platforms, and integration with manufacturing and stronger R&D

**MATT PYKE**

Project Engineer, Asahi 4.0
[Asahi Beverages](#)

**TANIA MONTESIN**

Regional Manufacturing Operations Manager
[Asahi Beverages](#)

12:10 **PANEL DISCUSSION: Industrial controls and edge computing**

- 🔗 Leveraging the cloud as a key enabler of IIoT
- 🔗 Building distributed application architectures that span "from control to cloud"
- 🔗 Assessing new data-driven solutions that interoperate with, and augment existing automation and control systems
- 🔗 Understanding real-time requirements and the distributed nature of industrial environments

Moderator:

**GÖRAN ROOS**

Former Member, [Prime Minister's Manufacturing Leaders Group](#) & Chairman of the Board, [VTT International \(Finland\)](#) & Fellow, [Royal Swedish Academy of Engineering Sciences \(IVA\) \(Sweden\)](#)

Panellists:



DIMITRIOS GEORGAKOPOULOS
Professor of Computer Science
[Swinburne University of Technology](#)



INCOMING DIRECTOR
Factory of the Future
[Swinburne University of Technology](#)

**SURYA NEPAL**

Principal Research Scientist
[CSIRO](#)

12:50 Networking lunch and showcase viewing

14:00 **CASE STUDY PRESENTATION: Building connected intelligence into packaging machinery**

- 🔗 Using IoT to improve manufacturing, packaging and production line automation
- 🔗 Leveraging best-practice platforms to service clients across an integrated supply chain
- 🔗 Improving factory efficiency and flexibility with IoT and emerging technologies
- 🔗 Communicating with customers in real-time in an interconnected space

**SHAUN WESTCOTT**

Chief Executive Officer
[HMPS](#)

**MARK EMMETT**

Managing Director
[HMPS](#)

14:30 **CASE STUDY PRESENTATION: Uniting artificial intelligence and robotic vision - applications for manufacturing**

- 🔗 Using robotic automation to boost productivity
- 🔗 Creating the next generation of robots that 'see and respond' as humans do
- 🔗 Ensuring robots make decisions, and work safely alongside humans
- 🔗 Transforming labour-intensive industries, and making robots a ubiquitous feature of advanced manufacturing

**DR SUE KEAY**

Chief Operating Officer
[ARC Centre of Excellence for Robotic Vision, Science and Engineering Faculty, Queensland University of Technology](#)

JOBS AND INVESTMENT15:00 **Building manufacturing capability in a 21st century connected economy**

- 🔗 Transforming manufacturing into a highly-integrated, collaborative and export-focused ecosystem
- 🔗 Proving high-value customised solutions that contribute to global supply chains
- 🔗 Building innovation resulting from science and technology, automation, digitisation and new materials

**LISA MCAULEY**

Chief Executive Officer
[Global Trade Professionals Alliance](#)

15:30 **CLOSING PANEL: Making Industrie 4.0 a reality**

- 🔗 Treating digital disruption as the "new normal"
- 🔗 Ensuring manufacturers stay competitive in Industrie 4.0
- 🔗 Strengthening partnerships between government-industry-higher education
- 🔗 Investing in manufacturing as a viable strategy for GDP growth
- 🔗 Re-calibrating policies, tools and strategies in a dynamic landscape
- 🔗 Clarifying policies to reshape the trade agenda, investment, and innovation funding

Moderator:

**FRANK ZEICHNER**

Chief Executive Officer
[IoT Alliance Australia](#)

Panellists:

**MARK GOODSSELL**

Executive Director
[Australian Advanced Manufacturing Council](#)

**DR SUE KEAY**

Chief Operating Officer
[ARC Centre of Excellence for Robotic Vision, Science and Engineering Faculty, Queensland University of Technology](#)

**DR LEON PRENTICE**

Research Program Director
[CSIRO](#)

16:10 Closing remarks from Chair & End of summit

16:20 End of Day Two and close of the conference



OUR SPEAKERS



JOEL KLOOSTER
Vice President
GE Aviation Digital (USA)



GÖRAN ROOS
Former Member, Prime Minister's
Manufacturing Leaders Group
& Chairman of the Board, VTT
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Standards Australia



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NSW Data Analytics Centre,
Department of Finance, Services
and Innovation



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SHAUN WESTCOTT
Chief Executive Officer
HMS



DR SUE KEAY
Chief Operating Officer, ARC
Centre of Excellence for Robotic
Vision, Science and Engineering
Faculty
Queensland University of
Technology



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Alliance



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Executive Chairman
HMPS



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ABB Robotics



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STEPHEN JK PARKER
Assistant Professor
UBSS (Entrepreneurship,
Innovation and Commercialisation)



SURYA NEPAL
Principal Research Scientist
CSIRO

How delegates rated the Industrial Internet 4.0 Summit 2017

“The event was well organised, the morning VIP session were so valuable for learning and networking. The talks and presentations were the masterpieces of the conference.”

-Yann Josse, Asset Systems Project Manager, Veolia

“Fascinating and lively discussion on the forefront of IIOT thinking.”

-Stephen Parker, Head of Digital & Mobile, Sydney Water



“The event had a great mix of theory, policy and practical examples of how IOT can transform businesses, a well put together agenda.”

-Warwick Hutton, Chief Information Officer, Coca-Cola Amatil



PARTNER WITH US

The Industrial Internet 4.0 Summit will provide partners an opportunity to find new prospects, meet existing clients, shorten sales cycles and offer a cost-efficient way to do business with the right decision-makers in one place over two days.

- 40+ Speakers - more case studies from manufacturers who have taken IoT from pilot to project
- 200+ leading senior level manufacturers in attendance - pre-qualified by seniority, budget, need and engagement
- Guaranteed 1 to 1 meetings with selected delegates
- Inspiring thought leadership - Comprehensive and varied content positioning partners as a leading companies in IIOT
- 20+ inspiring and innovative technology partners
- More networking opportunities: we can introduce you to the people you want to meet
- Brand awareness - through digital platforms and email sponsorship
- Lead Generation - high value marketing qualified leads (MQLs) with actual projects
- Market Research - hear the latest on how this rapidly evolving technology is developing



WHO SHOULD SPONSOR OR EXHIBIT

The Industrial Internet Summit is a showcase of the latest IIoT products, services and solutions

- IoT platforms
- Automation/machine control
- Operational intelligence
- Cloud technologies
- Telecoms
- Digital services, strategy and consulting
- Enterprise software
- Systems integrators
- Big data & analytics
- Cybersecurity
- Connectivity/Networks
- Sensors/beacons
- Device management
- Asset tracking



Contact **John Pozoglou** to find out how you can get involved

✉ johnp@questevents.com.au

☎ +61 (0)2 8188 7502 ☎ +61 (0)403 183 777

🌐 www.iiotsummit.com.au

BOOK BEFORE FRIDAY 1ST DECEMBER 2017 AND SAVE \$500!



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Networking Drinks

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