

4th annual

INDUSTRIAL INTERNET 4.0 SUMMIT

2020

25 - 27 February 2020
Aerial UTS Function Centre
Sydney

Australia's premier Industrial Internet event for manufacturing leaders

Over 30 expert speakers, including:



Cori Stewart
Lead
Advanced Robotics for
Manufacturing (ARM) Hub



Dr. Dominik Rohrmus
Chief Technology Officer
Labs Network Industrie 4.0



Jennifer Conley
Chief Executive Officer
Advanced Fibre Cluster
Geelong



Frank Seeley
Founder & Chief Executive
Chairman
Seeley International



Ingrid Marsh
Director Industry
Development NSW Treasury



Elliot Duff
Robotics Research
Consultant
CSIRO/Data61



Annette Slunjski
Managing Director
Institute of Analytics
Professionals of Australia



Todd Williams
Director
NSW Cyber Security
Network



Warren Bradford
Director
DEACAM



Aleksandar Subic
Deputy Vice Chancellor
Swinburne University of
Technology

WHY ATTEND?

- ▶ Build your Industrial Internet 4.0 strategy based on shared experiences and de-risk your investments
- ▶ Benchmark your digital transformation against global and local leaders
- ▶ Get a clear picture of the future and what technologies you should be investing in, to maximize your return
- ▶ Discover how new business models will improve competitiveness, reduce costs and improve profits
- ▶ Learn where and when to innovate in your business to get quick wins
- ▶ Gain insights on how to implement internal standards as the first line of cybersecurity
- ▶ Quality conference content curated in consultation with respected manufacturing leaders



Book on or before 24 January
and save up to \$400!

Register online at
www.iiot-summit.com.au



Industrial Internet 4.0 will touch every person on our planet. To find out how, and to network with the relevant players in this space, register for the Industrial Internet 4.0 Summit. I would encourage you all to attend and look to the future, today! 🗨️

Bob Sharon
Founder & Chief Innovation Officer, Blue IoT

Media partner:



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Quickfire Sponsor:



Organised by:



WHAT IS THE INDUSTRIAL INTERNET 4.0 SUMMIT 2020?

Now in its 4th year, the Industrial Internet 4.0 Summit will again bring together Australia's manufacturing community for 3 days of learning and networking. We'll explore the future of tech enabled manufacturing that has the potential to reduce costs, improve profits, provide a competitive edge, enable growth and future proof the sector.

There will be 30+ subject matter experts who will share case studies, implementation stories and their decision making processes with you. The Industrial Internet 4.0 Summit is the meeting place to discuss your challenges with peers and technology experts who can help you de-risk your strategy and investments with their experiences.

Each day's content has been carefully curated to ensure that you get clear insights and actionable information from early adopters and those in the midst of their digital transformation, providing you with the right tools to affect change on your own production line.



BENEFITS OF ATTENDING

- ▶ Learn how to manage disruption to enhance growth and profitability
- ▶ Hear from manufacturing experts with proven experience in introducing new technologies and streamlining processes
- ▶ Boost your manufacturing capability in a fiercely-competitive global economy
- ▶ Increase productivity and reduce costs through the digitalisation of your factory
- ▶ Gain valuable insights on how to attract, train and retain the right talent

“Attending the Industrial Internet 4.0 Summit will help you connect and collaborate in order to reap the benefits of Industry 4.0 and not be a casualty of it.”

Cori Stewart

Lead, Advanced Robotics for Manufacturing (ARM) Hub



OUR SPEAKERS



Dr. Dominik Rohrmus
Chief Technology Officer
Labs Network Industrie 4.0



Cori Stewart
Lead
Advanced Robotics for
Manufacturing (ARM) Hub



Frank Seeley
Founder & Executive
Chairman
Seeley International



John Broadbent
Founder & Director
Smart Factory
Mentoring & Strategy



Anthony Chami
Chief Production Officer
Vitex Pharmaceuticals



Bronwyn Fox
Director of the
Manufacturing Futures
Swinburne University
of Technology



Jennifer Conley
Chief Executive Officer
Advanced Fibre Cluster
Geelong



Ingrid Marsh
Director Industry
Development
NSW Treasury



Andrew Dettmer
National President
Australian Manufacturing
Workers Union (AMWU)



Vaughan Shanks
Chief Executive Officer
Cydarm



Bob Sharon
Founder & Chief
Innovation Officer
Blue IoT



Mel Ireland
Membership Relationship
Executive
Ai Group



Roy Green
Emeritus Professor
University of Technology
Sydney



Aleksandar Subic
Deputy Vice Chancellor
(R&D)
Swinburne University of
Technology



Geoff Heydon
Associate
Astrolabe Group &
HeydonDEC



Bernard Kornfeld
Co-Founder & Chief
Scientist
FactoryOne



Daniella Traino
Managing Director
Pinecone Technology
Strategies



Dimitrios Georgakopoulos
Director
IoT Lab Swinburne Digital
Innovation Capability
Platform



Adam McCarthy
Co-Founder & Chief
Executive Officer
ParaFlare



Doug Creighton
Deputy Director
Institute for Intelligent
Systems Research &
Innovation



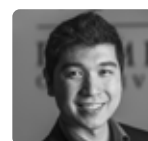
Tracie Thompson
Co-Founder & Chief
Executive Officer
HackHunter



Matthew Tobin
Managing Director
UAP Group



Warren Bradford
Director
DEACAM



Syed Shah
Managing Editor
Manufacturing Monthly



Annette Slunjski
Managing Director
Institute of Analytics
Professionals of Australia



Praveen Kannan
National Market Product
Manager
SICK Sensor Intelligence



XiaoQi Chen
Deputy Director
Manufacturers Futures
Research Institute



Charlotte Durstan
General Manager
Australian Graphene
Industry



Ryan Briggs
Manufacturing Systems
Manager
BlueScope



Elliot Duff
Robotics Research
Consultant
CSIRO/Data61



Brad Parsons
Founder & Chief Executive
Officer
MOVUS



Todd Williams
Director
NSW Cyber Security
Network



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and save up to \$400! Register online at
www.iiot-summit.com.au

REGISTER TODAY!

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AGENDA CONFERENCE DAY 1 Wednesday, 26 Feb

08:15 Registration and welcome refreshments

08:50 Opening remarks from the Chair



Bronwyn Fox

Director of the Manufacturing Futures

Swinburne University of Technology

THIS IS US - INDUSTRIAL INTERNET 4.0 IN 2020

09:00 **Australian Keynote - Innovation - the elixir of success**

- 🔍 Demonstrating increased competitiveness through innovation and automation
- 🔍 Highlighting the importance of innovation permeating the entire organization



Frank Seeley

Founder & Executive Chairman

Seeley International

09:40 **Keynote panel discussion - What are the challenges and opportunities unique to Australia?**

- 🔍 What are the elements in the Australian market that challenge the adoption of the Industrial Internet 4.0?
- 🔍 Where does Australia currently see itself as a manufacturing nation?
- 🔍 How can Australia leverage the Industrial Internet 4.0 to differentiate its manufacturing sector and compete globally?

Moderator:



Jennifer Conley

Chief Executive Officer

Advanced Fibre Cluster Geelong

Panellists:



Aleksandar Subic

Deputy Vice Chancellor (R&D)

Swinburne University of Technology



Frank Seeley

Founder & Executive Chairman

Seeley International

Panellists:



Roy Green

Emeritus Professor

University of Technology Sydney



Cori Stewart

Lead

Advanced Robotics for Manufacturing (ARM) Hub



Elliot Duff

Robotics Research Consultant

CSIRO/Data61

10:25 Networking morning tea break

THE INDUSTRIAL INTERNET 4.0 JOURNEY

10:50 **International keynote - Use cases and testbeds for SME in manufacturing**



- 🔍 Emphasizing the next steps towards smart factories and autonomy
- 🔍 Focusing on lowest interoperability cost
- 🔍 Sharing lessons learned by fostering the supply chain of the Industrial Internet 4.0
- 🔍 Demonstrating how knowledge and research is transferring into practice through multi sector collaboration
- 🔍 Illustrating how the mid-sized sector is being supported in Germany



Dominik Rohrmus

Chief Technology Officer

Labs Network Industrie 4.0

11:30 **Advances in the Industrial Internet 4.0**

- 🔍 Leveraging 4.0 technologies to increase plant productivity
- 🔍 Optimizing product quality in manufacturing
- 🔍 Streamlining supply chain logistics



Dimitrios Georgakopoulos

Director

IoT Lab Swinburne Digital Innovation Capability Platform

12:00 **Panel discussion - What are the challenges that SMEs face when embarking on the Industrial Internet 4.0 journey?**

- 🔍 What tools and strategies does the Industrial Internet 4.0 offer to help SMEs overcome manufacturing challenges?
- 🔍 Peer sharing experiences - How can manufacturers turn challenges into opportunities?
- 🔍 What does the future hold of Australian SMEs?

Moderator:

To be announced

Panellists:



Ingrid Marsh

Director Industry Development

NSW Treasury

Panellists:



Bernard Kornfeld

Co-Founder & Chief Scientist

FactoryOne



Mel Ireland

Membership Relationship Executive

Ai Group

12:45 Networking lunch break

MAKING IT HAPPEN

13:45 **Want to be a Smart(er) Manufacturer**

- 🔍 Defining the necessary foundation needed to start the smart factory journey
- 🔍 Creating a broader understanding of the merits of the Industrial Internet 4.0
- 🔍 Drawing new relationships and gaining better insight into operational needs
- 🔍 Getting the rubber to hit the road



John Broadbent

Founder & Director

Smart Factory Mentoring & Strategy

14:15 **What does the future of the workforce look like?**

- 🔍 What does the skilling challenge look like in the age of the Industrial Internet 4.0?
- 🔍 How can workers be meaningfully engaged in developing and training for the skills of the future?
- 🔍 Do we need new models of learning and development?
- 🔍 What changes do we need to implement to ensure that we meet these skilling needs when we are not certain what they may be?



Andrew Dettmer

National President

Australian Manufacturing Workers Union (AMWU)

14:45 **Leveraging advanced technologies and Industry 4.0 to boost productivity**

- 🔍 How IIoT has improved responsiveness, quality and efficiency
- 🔍 Data Analytics Framework for Industry 4.0
- 🔍 Enhanced workplace safety, production and improvements



Anthony Chami

Chief Production Officer

Vitex Pharmaceuticals

15:15 Networking afternoon tea break

KEEPING IT SAFE

15:45 **Cyber resilience - where do I start?**

- 🔍 Discussing what good security look like
- 🔍 Identifying IoT security challenges
- 🔍 Illustrating a suggested IoT framework



Tracie Thompson

Co-Founder & Chief Executive Officer

HackHunter

16:15 **Cyber as an enabler - Making your business better**

- 🔍 Looking at cyber security and risk mitigation from a broader perspective
- 🔍 Assessing the global mega trends of how industry is using data
- 🔍 Looking at data sets and data analytics through a different lens to drive consumer trust



Todd Williams

Director

NSW Cyber Security Network

16:45 **Panel discussion - What does the manufacturing industry need to consider with respect to cyber security to better realise the potential business benefits of the Industrial Internet 4.0?**

- 🔍 How can manufacturers overcome cyber security struggles in a rapidly accelerating Industrial Internet 4.0 world?
- 🔍 What can manufacturers do to accelerate cyber security initiatives?
- 🔍 What are the perceived challenges of cybersecurity and how to overcome them?

Moderator:



Todd Williams

Director

NSW Cyber Security Network



Daniella Traino

Managing Director

Pinecone Technology Strategies

Panellists:



Vaughan Shanks

Chief Executive Officer

Cydarm



Adam McCarthy

Co-Founder & Chief Executive Officer

ParaFlare

17:25 Closing remarks from the Chair

17:30 End of Day One and networking drinks

**Book on or before 24 January
and save up to \$400!**



A good insight into the current and future application of the Industrial Internet of Things. ”

REGISTER TODAY!

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AGENDA CONFERENCE DAY 2 Thursday, 27 Feb

08:15 Registration and welcome refreshments

08:50 Opening remarks from the Chair



Doug Creighton
Deputy Director

Institute for Intelligent Systems Research and Innovation

DISCOVERING THE SMART FACTORY

09:00 **Keynote address – Advanced Robotics for Manufacturing (ARM) Hub – An open innovation platform for Australian Industrial Internet 4.0**

- Presenting Australia's key national infrastructure for robotics and design-led manufacturing
- Collaborating with industry to create a step change in Australian manufacturing
- Providing tailored support to SMEs to help de-risk their Industrial Internet 4.0 uptake

Co-Presentation:



Cori Stewart
Lead
Advanced Robotics for Manufacturing Hub



Matthew Tobin
Managing Director
UAP Group

09:40 **Cast Study – A revolution in fermentation – How Industrial Internet 4.0 technologies are driving change in breweries and wineries**

- Illustrating the benefits of incorporating an intelligent automation system in the fermentation industry
- Demonstrating how restructuring applications to work in a cohesive way drives efficiency, quality and minimizes waste



Warren Bradford
Director
DEACAM

10:10 **Panel Discussion – The urgency of Industrial Internet 4.0 for Australian manufacturers – reassurance to invest in it?**

- Understanding the support and realities that surround what manufacturers are investing in beyond the obvious benefits of the Industrial Internet 4.0
- Discussing the current level of urgency. Is the sense of urgency still here?

Moderator:



Syed Shah
Managing Editor
Manufacturing Monthly
Panellists to be announced

10:40 Networking morning tea break

BIG DATA: WHAT TO COLLECT AND WHY

11:10 **Data literacy is the new literacy**

- Examining the data economy – As Australians, are we at a crossroads?
- Illustrating and understanding the importance of upskilling
- Highlighting the importance of reshaping and reskilling the workforce



Annette Slunjski
Managing Director
Institute of Analytics Professionals of Australia

11:40 **Analytics – Capturing value from Industrial Internet 4.0 data**

- Implementing digital transformation into smart industries – The why and how!
- Understanding the general architecture of the Industrial Internet 4.0
- Outlining the traditional BMS/BAS/SCADA
- Outlining Virtual/Cloud/IoT based platforms moving forward
- Delving into the specifics of data sovereignty and data ownership



Bob Sharon
Founder & Chief Innovation Officer
Blue IoT

12:10 **Coherent data – A value proposition for 5G**

- Illustrating the benefits of 5G whilst understanding its limitations – you can't have it all
- How is 5G differentiated in the context of all the other wireless option? Which one fits where
- Promoting real innovation through data sharing – the importance of developing a trusted ecosystem to ensure sharing happens



Geoff Heydon
Associate
Astrolabe Group & HeydonDEC

12:40 Networking lunch break

EMERGING TECHNOLOGIES FOR SMART MANUFACTURING

13:45 **Adopting technologies to help drive smart manufacturing**

- Understanding the intersection of Industrial Internet 4.0 and computational intelligence for virtual factories and virtual manufacturing
- How to use Machine Learning for modelling, condition monitoring and predictive control of machining processes
- Illustrating intelligent robotics for additive manufacturing and re-manufacturing of high-performance components and structures



XiaoQi Chen
Deputy Director
Manufacturers Futures Research Institute

14:15 **The heart of the Industrial Internet – Digital Twins**

- Understanding the role of Digital Twins
- Presenting the key benefits of harmonizing Digital Twins in your manufacturing ecosystem
- Identifying the future of Digital Twins in the fully connected factory



Praveen Kannan
National Market Product Manager
SICK Sensor Intelligence

14:45 **Graphene... is there anything it can't do?**

- How can graphene push the evolution of the Industrial Internet 4.0 from smart machines to smart materials?
- Illustrating some of the applications that make graphene a super material
- Understanding where graphene can be implemented – the devices, solutions, products and services



Charlotte Durstan
General Manager
Australian Graphene Industry

15:15 Networking afternoon tea break

HOW DO WE COMPETE – WHAT DOES THE FUTURE HOLD?

15:45 **Case study – Helping customers and suppliers through automation**

- What we have learned along the way – Sharing key insights from an industrial environment perspective
- Understanding the importance of change management while transitioning to Industrial Internet 4.0 technologies
- Demonstrating how automation drives innovation



Ryan Briggs
Manufacturing Systems Manager
BlueScope

16:15 **The business case for the Industrial Internet 4.0**

- Industrial Internet 4.0 solutions – just who are the stakeholders?
- The importance of understanding existing processes within your organization and how they are connected
- Illustrating how to start small and take the first steps



Brad Parsons
Founder & Chief Executive Officer
MOVUS

16:45 Closing remarks from the Chair

16:50 End of Day Two and the Conference



Book on or before **24 January** and save up to **\$400!**
Register online at www.iiot-summit.com.au



AGENDA PRE-CONFERENCE WORKSHOP

Tuesday, 25 Feb

HOW TO USE INDUSTRIAL ANALYTICS TO MAKE DATA DRIVEN DECISIONS

Don't miss this in depth learning session on tactics and techniques to improve your interpretation of analytical data.

This in depth learning session is for manufacturing leaders who are looking to upskill in this crucial area. Book your spot to discover how you can affect change in your factory.

Morning tea, lunch and afternoon tea provided.

08:30 Registration and welcome coffee

09:00 Workshops starts

12:30 Lunch break

16:00 Workshop ends

Overview

Connecting industrial assets and machines to information systems is at the heart of the Industrial Internet 4.0.

With this comes a new language that is crucial to understand. Data literacy and advanced analytics is truly central to the process of next-generation machine integration. Through industrial analytics, we can draw comparisons and synthesize information to make better informed operational decisions and reap the rewards.

This workshop is tailored to gain deeper insights into analytic use in advanced manufacturing, to maximize the use of industrial data.

Key takeaways

- Learning how to draw insight from machine data and make it accessible to the end user - Interpretation of analytics and turning data it into value through domain expertise
- How do we integrate cybersecurity
- Understanding how to connect sensor-based data, systems and people to drive efficiencies in manufacturing
- Enabling digital transformation across upstream, midstream and downstream operations
- Helping converge the analytics of OT and IT and the relevant domain
- Identifying data sources - where is the data coming from? Where would you like your data to come from?
- Making advanced analytics work for you
- Strategizing to overcome the barriers that may arise from data silos

Facilitator:



Bob Sharon

Founder & Chief Innovation Officer

Blue IoT



I gained a lot of information and the use cases were great. ”

Guy Tunbridge
Site IT Operations Manager
Campbell Arnott's



PARTNER WITH US

The Industrial Internet 4.0 Summit is your opportunity to get your brand 'front of mind' with manufacturing leaders looking to transform their business through digital technologies.

- Promote your business as a thought leader at the flagship IoT event for the manufacturing sector in Australia
- Gain exclusive access to high profile industry leaders, meeting face to face with over 200 attendees
- Network for over 6 hrs with your target audience and educate manufacturing decision makers on how to benefit from the Industrial Internet 4.0
- Get your product in front of the right buyers - senior technical experts driving technology & strategy adoption
- Drive sales leads pre, during and post event - Partnering with us will give you the chance to benefit from the ultimate social selling - share an experience with your customers - showcase your brand in innovative ways via website, editorial over a 6 month cycle, as well as having a physical presence onsite
- Position yourself ahead of the competition by establishing your presence at the key Industrial Internet 4.0 Summit of the year
- Book your tailor-made packages which are created to address your individual needs, products and services.

YOU SHOULD SPONSOR OR EXHIBIT BECAUSE:

- You see the opportunity for growth in the manufacturing market
- Your sales team needs high quality, decision making leads
- You need to educate the market about the possibilities created by your product or service
- You want to motivate senior business executives to invest in your technology or service
- You want to position your organisation as a thought leader and partner of choice
- You need to stimulate market demand and build advocacy for your offering
- Sponsorship and exhibition packages can be tailored to meet your specific objectives, whether that is thought leadership, profile, leads or sales.

WHO SHOULD SPONSOR OR EXHIBIT?

The Industrial Internet 4.0 Summit is a showcase of the latest technologies and solutions transforming the manufacturing sector.

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



Contact Damien Yong to find out how you can get involved

✉ damieny@questevents.com.au

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REGISTRATION FORM

STANDARD 3 DAY TICKET

(25 -27 FEBRUARY)

Full access to the 2-day main conference sessions, networking and lunches

Pre-conference Learning Session

Networking drinks

Book on or before 24 January 2020
\$3,895 incl. GST SAVE \$400

Regular \$4,295 incl. GST

STANDARD 2 DAY TICKET

(26 - 27 FEBRUARY)

Full access to the 2-day main conference sessions, networking and lunches

Networking drinks

Book on or before 24 January 2020
\$2,995 incl. GST SAVE \$300

Regular \$3,295 incl. GST

PRE-CONFERENCE IN-DEPTH LEARNING SESSION

(25 FEBRUARY)

How to use industrial analytics to make data driven decisions

Book on or before 24 January 2020
\$1,795 incl. GST SAVE \$200

Regular \$1,995 incl. GST

Book on or before 24 January and save up to \$400!
Additional group discounts of up to 25% apply.

15%

**3-6
Delegates**

20%

**7-10
Delegates**

25%

**11+
Delegates**

**10%
OFF**

**MEMBERS OF ALL SUPPORTING PARTNERS
RECEIVE A 10% DISCOUNT.**

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*Group discounts apply for bookings made simultaneously and on one invoice only. (Note. Only 1 discount may be applied, whichever provides the greatest savings)

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