

2ND SMART MANUFACTURING AND INDUSTRY 4.0 FORUM

Co-Located With:
3rd Digital Supply Chain And Humanless Warehouse Forum

Main Forum: 29 – 30 October 2019
Pre - Forum Site Tours: 28 October 2019
Venue: The Langham Melbourne, Australia

GLOBAL THOUGHT LEADERS & KEY SPEAKERS INCLUDE



PROFESSOR ALEKSANDAR SUBIC
Deputy Vice-Chancellor (Research & Development)
Swinburne University of Technology



MARIO DIMOVSKI
CEO
Tradiebot Industries



CHRISTINE G. MILLER
Head of Supply Chain Advisory - Pacific
CBRE Asia Pacific
CBRE



JEFFREY LANG
Founder
Titomic



JAMIE WEHBEH
Director - Research & Technology d
ResMed



MARCO STEPORA
Supply Chain Best Practice Director
Lion Dairy & Drinks



IAN HARDCASTLE
Regional Solution Director, Digital Engineering and Services
JACOBS



JUXI LEITNER
Research Fellow
Australian Centre for Robotic Vision



ASSAF SHEVACH
Quality Director
Ford



PRADEEP KHANNA
Executive Director, Asia Pacific
VR AR Association



DISCOVER THESE HIGHLIGHTS AT THE FORUM

Mondeléz International's Smart Factory Transformation Case Study

Creating Factory of the Future with Advanced Manufacturing Analytics

Smart Manufacturing and Industry 4.0 Success Stories

Boeing's Additive Manufacturing Case Study

How Ford Motor Is Getting Ready For The Industry 4.0

Why On-Demand Manufacturing Could Be the Future of Manufacturing

Advanced Manufacturing and Logistics 4.0

The Power of AI in Entire Manufacturing

PACCAR: How Data Empowers its Manufacturing

Future of Robotics in Manufacturing: Co-Bots, AI Integration and Robots as A Service

Predictive Maintenance With IoTs

How IoT, Connectivity & Data Analytics are Transforming Manufacturing

CBRE: Logistics 4.0 & Smart Supply Chain Management

DHL: Overhauling The Entire Future Supply Chain with 3D Printing

Digital Engineering and Impact on Manufacturing

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28 – 30 OCTOBER 2019 | THE LANGHAM MELBOURNE
REDEFINING MANUFACTURING EXCELLENCE: THE DAWN OF THE SMART FACTORY

2ND SMART MANUFACTURING AND INDUSTRY 4.0 FORUM

CO-LOCATED WITH 3RD DIGITAL SUPPLY CHAIN AND HUMANLESS WAREHOUSE FORUM

FORUM AT A GLANCE

PRE-FORUM SITE TOURS:

MONDAY, 28 OCTOBER 2019

- Factories of the Future Site Tour
- Additive Manufacturing Sharing Session and Site Tour
- Robotics and Automation Site Tour

DAY 2: TUESDAY, 29 OCTOBER 2019

- Visionary Keynote: **Australia's Advanced Manufacturing Initiatives** "Industry 4.0" - Transforming the City-State into Australian's Future Manufacturing Powerhouse
- Smart Factory of the Future Case Study: Mondeléz International transforms its **Australia Plant into a Smart Factory**
- Roundtable Discussions: Smart Manufacturing and Industry 4.0 Technology **Success Stories and Takeaway Lessons from Key Players**
- Australia 3D Printing Case Study : How Additive Manufacturing enables Rapid, Low-cost Production of quality 3D-Printed Parts
- **DHL Case Study:** From Part to Whole: Overhauling The Entire Future Supply Chain with 3D Printing
- Why **On-Demand** Could Be the Future of Manufacturing
- **Dulux Industry 4.0 Case Study:** How it Transforms its Plant into a World Top Five Smart Factory
- How **Ford Motor** Is Getting Ready For The 4th Industrial Revolution: AI & Autonomous Cars
- **SMEs Panel:** How can SMEs Start to Automate their Manufacturing Floor

DAY 3: WEDNESDAY, 30 OCTOBER 2019

- **The Power of AI in Entire Manufacturing:** From Demand Planning to Automated Quality Control and Predicting Machines Breakdown
- **The Future of Robotics in Manufacturing:** Co-Bots, AI Integration and Robots as A Service
- Robots of The Future: Hyundai Ventures Further Into the Robotics Industry of The Future with Wearable Industrial Robots
- **Automotive Industry** - Examining The opportunity of open data sharing with the connected world
- Predictive Maintenance With IoT: **What It Means for Manufacturing 4.0**
- Panel: How IoT, Connectivity & Data analytics are Transforming Manufacturing
- Coles Case Study: What does State-of-The-Art Automated Warehouse of the Future Look Like?
- Woolworths Case Study: How Automated Guided Vehicles runs Smartest Warehouse
- **Logistics 4.0** - Smart Supply Chain Management with Industry 4.0



REGISTER BY
7 AUGUST 2019
TO SAVE AU\$60!

5 KEY TAKEAWAYS FROM ATTENDING THE FORUM

1. **Prepare your manufacturing capability** for the new frontier of manufacturing systems to drive greater value both on the factory floor and across the entire supply network
2. **Discover the latest advanced Industry 4.0 innovations** to enable responsive, adaptive and connected manufacturing
3. **Unlock novel digital and physical capabilities** to achieve growth and profitability in a tumultuous time
4. **Acquire practical insights, proven solutions and effective strategies** to aid in your organization's smart manufacturing transition to remain competitive
5. **Engage and network** with some of most innovative minds in the thriving times of smart manufacturing and Industry 4.0 solutions and activities

PARTICIPATING COMPANIES INCLUDE:



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PAST SPONSORS OF SMART MANUFACTURING FORUMS



HYDAC

“
Very well organized event. Staffs are very attentive and work hand in hand in putting us in contact with prospect customers.
”

Senior Marketing Specialist, Hydac

“
The conference was very good and will most likely participate again next year.
”

General Manager Strategy, Transformation & Technology, Konica Minolta



KONICA MINOLTA



SIGNAVIO

“
A special thanks to the team for helping deliver on the networking and engagement with delegates. The quality of engagement with the organizations present was made more valuable with the help of Clariden
”

Senior Marketing Manager APAC, Signavio

29 OCTOBER 2019: CHAMPAGNE NETWORKING SESSION

Enjoy a glass of champagne whilst networking with other like-minded individuals on topics that are of most interest to you and fellow delegates.



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PAST PARTICIPATING COMPANIES

Clariden Global's Smart Manufacturing Forums in the past two years have brought together hundreds of delegates from various industries and companies to discuss the opportunities and challenges of smart manufacturing and how we can work together to transform the industry:

- 3D Systems
- Agilent Technologies
- Aker Solutions
- Altus NZ
- AMS Sensors Singapore
- ASM Assembly Systems Singapore
- Australian Country Choice
- Averis
- Babcock
- Bang & Olufsen Asia
- BayCurrent Consulting
- Bendigo Kangan Institute
- Bosch
- Capral Aluminium
- Cetim Asia Pacific
- Changi Airport Group (Singapore)
- CLT Engineering
- Cohu Malaysia
- Continental Automotive Singapore
- Coraza Systems Malaysia
- CSIRO
- Dassault Systèmes Singapore
- Dell
- Dell Global B.V
- Department of Defence
- Department of Economic Development, Jobs, Transport and Resources
- Department of State Development, Manufacturing, Infrastructure and Planning
- Dimension Data (Singapore)
- DirectEdge Manufacturing
- DST

- Engro Corporation Limited
- Fec Cables
- Federation University
- Fitzroy Professional Services
- FlexLink Systems
- FrieslandCampina AMEA
- Ginkgo3D
- Globaltronic Precision
- GM Holden
- Hastings Deering
- Hicom HBPO
- Hydac
- Hydro Tasmania
- Institute of Technical Education
- IPOS
- IPOS International
- JTC Corporation
- Keysight Technologies
- Konica Minolta
- Korvis Asia
- kozato kizai
- Kraiburg Tpe Technology
- Land Engineering Agency
- Lion
- Memjet Australia
- Menicon Singapore
- Mentor Media
- NOJA Power Switchgear
- Océ Technologies B.V.
- Panasonic Asia Pacific
- Panasonic R&D Center Singapore
- PCI
- Pepperl+Fuchs Asia

- PNMB
- PT. Indesso Aroma
- Quickstep
- Republic Polytechnic
- RetroCast
- Rose Valley Steel Works
- Schaefer Kalk (Malaysia)
- Schenck Process Australia
- Schenker (Asia Pacific)
- Seal Innovations
- Shell Eastern Trading
- Sick China
- Signify
- Sime Darby Auto Bavaria
- Simitri Group International
- Skyworks Globa;
- SME Corporation Malaysia
- ST Logistics
- TAE Aerospace
- Temasek Polytechnic
- Tetra Pak Jurong
- Thales Group
- TRUMPF
- University of Auckland
- UTAC Headquarters
- Vestel Elektronik AS
- Volvo Group Truck Operations
- Warren & Brown Technologies
- Western Digital (Malaysia)
- WesTrac NSW
- Yokogawa Engineering Asia



HEAR WHAT ATTENDEES GOT TO SAY ABOUT OUR **SMART MANUFACTURING AND INDUSTRY 4.0 FORUMS**

28 - 30 OCTOBER 2019 | MELBOURNE, AUSTRALIA



“
Very high quality of content and presentation. The content was not overly theoretical and was very applicable to my own business.
”

Director, Altus NZ

“
Good speakers with comprehensive presentation and interesting insight gained on Industry 4.0.
”

Head of Package Development (Singapore),
Infineon Technologies



“
Well organized forum and full of up-to-date information regarding current industry trends.
”

R&D Engineering Manager,
Warren & Brown Technologies

“
For someone who is a total novice to Industry 4.0, I walked out of the forum reasonably informed of what this can do for Memjet and gave me some ideas on things I can implement almost immediately.
”

Process Development Team Leader, Memjet Australia



“
Very high standard content and level of presentation. The content was effectively delivered within time frame allocated. Great networking opportunity as well!
”

Specialist Engineer - Advanced Vehicle Development, GM Australia



HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP



PROF. ALEKSANDAR SUBIC

Deputy Vice-Chancellor
(Research & Development)
Swinburne University of
Technology



MARIO DIMOVSKI
CEO
Tradiebot Industries



DR JOSEPH LAWRENCE
Pro Vice-Chancellor
(Enterprise), Research &
Innovation
Federation University
Australia



IAN HARDCASTLE
Regional Solution Director,
Digital Engineering and
Services
Jacobs



**PROF. DIMITRIOS
GEORGAKOPOULOS**
Director of Key IoT Lab
Swinburne University
of Technology



CHRISTINE G. MILLER
Head of Supply Chain
Advisory - Pacific
CBRE Asia Pacific



SANTIAGO VELA GOMEZ
Strategy and Digital
Transformation Consultant
Automotive Industry



JEETENDRA BHARDWAJ
Senior Enterprise Architect
-Connected Systems
Automotive Industry



JUXI LEITNER
Research Fellow
Australian Centre
for Robotic Vision



HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP



KEN MCALISTER

Group Manufacturing
Excellence Leader
Lion



ANNA REID

GM Operations and
Supply Chain
Kinrise



STEVE DOWEY

Technology Manager
Sutton Tools



JEFFREY LANG

Founder
Titomic



NICO ADAMS

Director Factory of the Future,
Associate Professor
Swinburne University of
Technology



MANOHAR ESARAPU

Head of Data and Information
City of Port Phillip



PRADEEP KHANNA

Executive Director, Asia Pacific
VR AR Association



MARCO STEPORA

Supply Chain Best Practice
Director
Lion Dairy & Drinks



SCOTT PHILBROOK

Head of Corporate
Accounts - ANZ
RS Components



HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP



CUONG VO
Vice-President ANZ
RS Components



MICHAEL OLSEN
Operations Performance
Line Manager
Nestlé



RYAN BRIGGS
Manufacturing Systems
Manager
BlueScope



JAMIE WEHBEH
Director - Research &
Technology
ResMed



ASSAF SHEVACH
Quality Director
Ford



MICHAEL BOURCHIER
Managing Director
Amiga Engineering



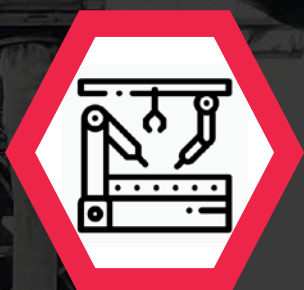
MATTHEW YOUNG
Manufacturing Innovation
Manager
Innovation Manufacturing
Cooperative Research Centre
(IMCRC)



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FORUM HIGHLIGHTS



MONDELÉZ INTERNATIONAL'S
SMART FACTORY
TRANSFORMATION CASE STUDY



CREATING FACTORY OF THE
FUTURE WITH ADVANCED
MANUFACTURING ANALYTICS



SMART MANUFACTURING
AND INDUSTRY 4.0 SUCCESS
STORIES



BOEING'S ADDITIVE
MANUFACTURING CASE
STUDY



HOW FORD MOTOR IS
GETTING READY FOR THE
INDUSTRY 4.0



WHY ON-DEMAND
MANUFACTURING COULD
BE THE FUTURE OF
MANUFACTURING



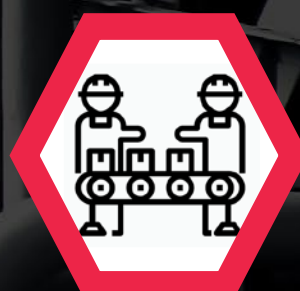
ADVANCED MANUFACTURING
AND LOGISTICS 4.0



THE POWER OF AI IN
ENTIRE MANUFACTURING



PACCAR: HOW DATA
EMPOWERS ITS
MANUFACTURING



FUTURE OF ROBOTICS IN
MANUFACTURING:
CO-BOTS, AI INTEGRATION
AND ROBOTS AS A SERVICE



PREDICTIVE MAINTENANCE
WITH IOTS



HOW IOT, CONNECTIVITY
& DATA ANALYTICS
ARE TRANSFORMING
MANUFACTURING



CBRE: LOGISTICS 4.0 &
SMART SUPPLY CHAIN
MANAGEMENT



DHL: OVERHAULING THE
ENTIRE FUTURE SUPPLY
CHAIN WITH 3D PRINTING



DIGITAL ENGINEERING AND
IMPACT ON MANUFACTURING



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10 REASONS TO JOIN US IN OCTOBER

Envision and digitally transform your manufacturing processes to start, scale and sustain their adoption of Industry 4.0 processes and solutions

Gain a 360-degree overview about the latest Industry 4.0 technologies from the key players in the scene and their corresponding tremendous economic potentials

Network, transfer knowledge and strike mutually beneficial partnerships with organization decision makers, industry experts and other stakeholders for business successes

Examine best practices of local and global organizations that have successfully launched Industry 4.0 roadmaps and achieved their economic agendas

Tap into exclusive insights, market-leading case studies and solutions from smart manufacturing experts in creating effective and customer-centric manufacturing strategies

Unveil ground-breaking initiatives enabled by smart manufacturing technologies

Gather inspiration from thought-provoking sessions to fast track your Industry 4.0 adoption to achieve manufacturing agility, efficiency, innovation and thinking

Harness unparalleled insights on the latest uses and applications of smart manufacturing solutions to improve productivity, efficiency and accuracy of operations

Discover the key technological drivers and trends for the manufacturing landscapes of ANZ and other regional hubs

Gather first-hand information on government and industry support, grants, policies and regulations, and their impacts on your digital transformation



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Who You Will Meet:

SENIORITY LEVEL OF DELEGATES

40%

Vice President /
Director /
General Manager

20%

Board / C-Level /
President / Managing
Director

20%

Head of
Department

20%

Manager

Industries (including but not limited to):

- Airlines/Aviation
- Architecture & Planning
- Automotive
- Aviation & Aerospace
- Building Materials
- Construction
- Consumer Goods
- Consumer Electronics
- Defence & Space
- Design
- Education
- Health, Wellness and Fitness
- Hospital & Healthcare
- Industrial Automation
- Machinery
- Manufacturing
- Military
- Packaging and Containers

In the Roles of:

Board level as well as senior management level as below would be beneficial from attending this forum:

- Management Planning (Design & Development)
- Design
- Engineering
- Business Innovation/Strategy
- Technology
- Manufacturing
- Packaging
- Automation
- Industrial
- Technical
- Product
- Enterprise Integration

- Data
- Maintenance
- Production (Processes/ Controls)
- Information System/Technology
- Quality Control & Assurance
- Supply Chain
- Operations
- Site/Plant/Warehouse management
- Configuration Analyst
- Prototype specialist
- Prosthetic specialist
- Research & Development
- Software developers
- UI/UX Design
- 3D Professionals



PRE - FORUM SITE TOURS

MONDAY, 28 OCTOBER 2018

Site Tour A: 09:30 - 10:30

SWINBURNE UNIVERSITY OF TECHNOLOGY - FACTORIES OF THE FUTURE SITE TOUR

Factory of the future is a new platform for businesses, on a digital transformation journey, to experience and road-test advanced manufacturing technologies and new business strategies in collaboration with Swinburne. It enables businesses to redefine value creation and capture through exploration, strategy and innovation underpinned by Industry 4.0 technologies.

Join us on this exclusive site tour to experience first-hand how through a synergy of skills, projects co-created with industries, and empowerment of students and industry 4.0 demonstrators, we are enabling businesses to industry 4.0 technology demonstrators to de-risk innovation.

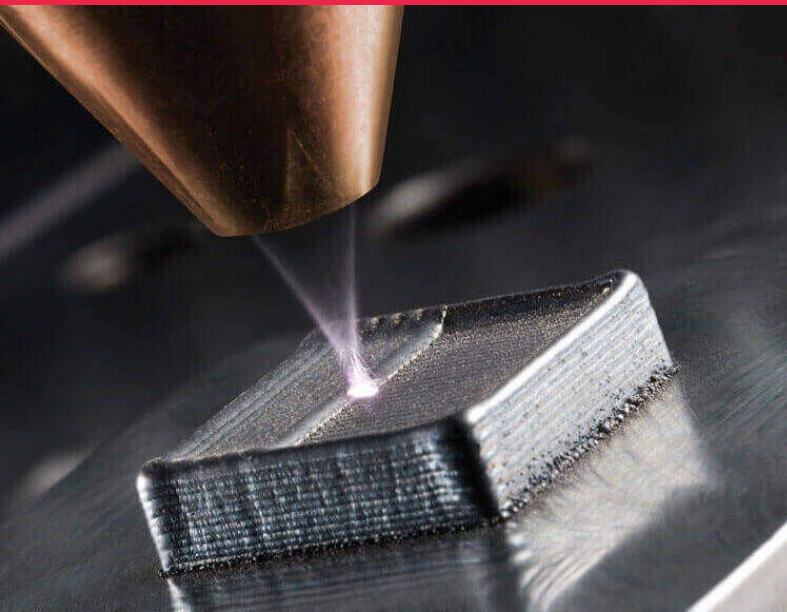


Site Tour B: 11:00 - 12:00

TITOMIC'S INDUSTRIAL SCALE METAL ADDITIVE MANUFACTURING SITE TOUR

Titomic (ASX:TTT) is an Australian public company specialising in digital manufacturing solutions for industrial scale metal additive manufacturing using the patented Titomic Kinetic Fusion® (TKF) technology. The TKF technology enables unique capabilities for producing commercially viable additively manufactured metal products, competing directly with traditional manufacturing methods. Titomic provides manufacturing on demand, tooling manufacturing, R&D and engineering services at TKF Smart Production Bureaus to Aerospace, Defence, Shipbuilding, Oil & Gas, Mining and Automotive industries.

Join us on this exclusive site tour to experience first-hand how Titomic is revolutionising manufacturing and the global supply chain for a more sustainable future.



Site Tour C: 14:30 - 15:30

AMIGA ENGINEERING SITE TOUR

Amiga Engineering with its heritage in high end precision metal fabrication and CNC machining for many industries including oil gas, recently diversified its manufacturing facility to include a world class Additive Manufacturing facility (Metal 3d) specialising in DMP (direct metal printing) or Powder bed fusion. This highly efficient process enhances and reinvigorates metal material properties and offers true freedom of design, this also provides a swathe of efficiencies. Amiga AM production facility also utilises cutting edge simulation technology to gauge the success of the AM builds and algorithmically compensate for irregularities and deploys redesign for the best possible print outcomes.

With a constant drive to improve their customers outcomes Amiga embrace new technologies both hardware and software,



subsequently they attract projects from a dynamic range of industries, medical, mechanical, automation, AI, automotive, aerospace, aviation, consumer and industrial design, the complexities and efficiencies that this process can deliver are dynamic and far reaching.

Take a tour through Amiga technically advanced facility providing specialist Additively Manufactured Metals, one of the only Additive Manufacturing facilities in Australia, providing its services everyone in the region and beyond.

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MAIN FORUM AGENDA

29 - 30 OCTOBER 2019 | MELBOURNE, AUSTRALIA

DAY ONE - 29 OCTOBER 2019

THE RISE OF SMART MANUFACTURING AND INDUSTRY 4.0 TECHNOLOGIES

09:00 Welcoming Speech, Opening Remarks & Thank You
Sponsor Speech by Conference Chairperson



ANNA REID
GM Operations and Supply Chain
Kinrise



JEFFREY LANG
Founder
Titomic



CUONG VO
Vice-President ANZ
RS Components



09:15 **Keynote: Australia's Advanced Manufacturing Initiatives "Industry 4.0" - Transforming the City-State into Australian's Future Manufacturing Powerhouse**

- How digital transformation can help Australia's manufacturing sector handle pressure from both regional competition and domestic restructuring
- Smart Manufacturing as a key driver for Australia's growth towards an innovation-driven economy
- Australia's i4.0 strategy to move the industry towards quicker adoption and help manufacturers transition from a value-add model to a value creation model



PROF. ALEKSANDAR SUBIC
Deputy Vice-Chancellor (Research & Development)
Swinburne University of Technology



09:45 **Ecosystem for the Data Age**

- Building your data ecosystem to drive your decisions and future proof your IOT strategy



SCOTT PHILBROOK
Head of Corporate Accounts - ANZ
RS Components



10:15 **Morning Refreshment & Networking**

10:30 **Roundtable Discussions: Smart Manufacturing and Industry 4.0 Technology Success Stories and Takeaway Lessons from Key Players**

1. Advanced Manufacturing Analytics
2. Artificial Intelligence, Robotics and Automation
3. 3D Printing and Additive Manufacturing
4. Creating knowledge partnerships and best practice for a data driven decision making approach



MARCO STEPORA
Supply Chain Best Practice Director
Lion Dairy & Drinks



ANNA REID
GM Operations and Supply Chain
Kinrise



ADDITIVE MANUFACTURING & 3D PRINTING

11:30 **Smart Factory of Future**



NICO ADAMS
Director Factory of the Future, Associate Professor
Swinburne University of Technology



12:00 **New Collaborative 3D Printing Robot Project To Transform The Automotive Repair Industry**



MARIO DIMOVSKI
CEO
Tradiebot Industries



12:30 **Lunch & Networking**

13:30 **The Frontiers of Digital Design and Manufacturing: How the New Era of Manufacturing Will Be Enabled by Highly-Integrated Digital Advances**

- 3D printing in Space!
- Simultaneously enabling the design of the product, its materials, and their manufacturing processes
- Computer-aided design system enabling digital manufacturing



IAN HARDCASTLE
Regional Solution Director,
Digital Engineering and Services
Jacobs



14:00 **Nestlé Case Study: Developing Manufacturing excellence frameworks and driving it across the business, by influencing both up and down the chain of command**

- Cascading Measures
- Methodology development at the local level
- Transitional management by engaging our people and the language of data
- Sustained impact - the way we work



MICHAEL OLSEN
Operations Performance Line Manager
Nestlé



MAIN FORUM AGENDA

29 - 30 NOVEMBER 2018 | THE LANGHAM MELBOURNE

14:30 Achieving Quality with I4.0

- Costs of a stale Quality System - the perils of ignoring technology trends
- Age of connectivity - Risks or Opps for Quality?
- How to transition Quality Systems & leverage I4.0



ASSAF SHEVACH
Quality Director
Ford



15:00 Afternoon Refreshments & Networking

15:15 Is Lean Still Relevant in the New World of Industry 4.0?

- How can the buzz words of lean, agile, design thinking and industry 4.0 fit together?
- How the 3 in 1 Lean framework can be applied to Industry 4.0 thinking, and preparing our work forces for the digital future
- Solving common Manufacturing problems with a combined lean & industry 4.0 approach



ANNA REID
GM Operations and Supply Chain
Kinrise



BREAKTHROUGH INNOVATION CASE STUDIES IN INDUSTRY 4.0

15:45 The Smart Enough Factory - Achieving Low Cost, Low Skill, Low Risk Industry 4.0

- Low cost digitalisation for Industry 4.0: The Factory in a Box technology demonstrator
- How an SME can effectively adopt an understandable and scalable digital strategy: The Digital Triangle Implementation of Quality, Scientific Approach, and All One Team
- Reduce cost, security and the skills required for Industry 4.0: Deploy Rapid Application Development (RAD) tool based applications



STEVE DOWEY
Technology Manager
Sutton Tools



16:15 SMEs Panel: How can SMEs Start to Automate their Manufacturing Floor

- How will smart manufacturing disrupt the business models of SMEs?
- Is there a place for SMEs in smart/advanced manufacturing?
- Understanding the assistance and solutions available for SMEs



DR JOSEPH LAWRENCE
Pro Vice-Chancellor (Enterprise),
Research & Innovation
Federation University Australia



JEFFREY LANG
Founder
Titomic



STEVE DOWEY
Technology Manager
Sutton Tools



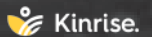
MICHAEL BOURCHIER
Managing Director
Amiga Engineering



17:00 Closing Remarks by Forum Chairperson



ANNA REID
GM Operations and Supply Chain
Kinrise



17:15 Champagne Networking



Enjoy a glass of champagne whilst networking with other like-minded individuals on topics that are of most interest to you and fellow delegates.



MAIN FORUM AGENDA

29 - 30 OCTOBER 2019 | MELBOURNE, AUSTRALIA

DAY TWO - 30 OCTOBER 2019

FACTORY-FORWARD - HOW ADVANCED MANUFACTURING AND LOGISTICS 4.0 CAN TAKE ROOTS

09:00 Welcoming Speech, Opening Remarks & Thank You
Sponsor Speech by Conference Chairperson



MATTHEW YOUNG
Manufacturing Innovation Manager
Innovation Manufacturing Cooperative
Research Centre (IMCRC)



ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND ROBOTICS AUTOMATION

09:15 Enhancing Plant Productivity Via Blending
Industrial IoT (IIoT) And AI

- How machine learning and IIoT can achieve predictive maintenance
- How machines learning and IIoT can improve product quality
- How machines learning and IIoT can enhance worker training
- How AI and IIoT can radically improve the efficiency of manufacturing plants



PROF. DIMITRIOS GEORGAKOPOULOS
Director of Key IoT Lab
Swinburne University of Technology



09:45 The Future of Robotics in Manufacturing: Co-Bots,
AI Integration and Robots as A Service

- Increase in Co-bots
- Artificial Intelligence integration
- Cloud robotics
- Robotics as a Service (RaaS)



JUXI LEITNER
Research Fellow
Australian Centre for Robotic Vision



10:15 Morning Refreshment & Networking

10:30 (Automotive Industry) Examining The opportunity of
open data sharing with the connected world

- Examining how a collaboration data system can help organisations work towards cross industry ecosystem
- Identifying the current barriers to data sharing between jurisdictions and implementing strategies to address this
- Evaluating how your organisation is driving



JEETENDRA BHARDWAJ
Senior Enterprise Architect -Connected Systems
Automotive Industry

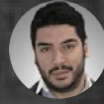
ADVANCED MANUFACTURING ANALYTICS & INDUSTRIAL IIoT

11:00 Panel: How IIoT, Connectivity & Data analytics are
Transforming Manufacturing

- How IIoT and the rising state of interconnectivity are shaking up traditional industrial business models
- Discovering key IIoT technologies, how they interact, and how you can customize them to fit the specific needs of your applications
- Best practices to create a digital, intelligent and predictive factory with IIoT



PROF. DIMITRIOS GEORGAKOPOULOS
Director of Key IoT Lab
Swinburne University of Technology



SANTI (SANTIAGO VELA GOMEZ) VELA
Strategy and Digital Transformation Consultant
Automotive Industry



JEETENDRA BHARDWAJ
Senior Enterprise Architect -Connected Systems
Automotive Industry



MANOHAR ESARAPU
Head of Data and Information
City of Port Phillip



11:30 Edge Computing: How Edge Computing will
Improve Manufacturing Reliability, Speed and
Resilience

- Massive benefits of edge computing: Enhancing disaster recover, speed, resilience and security
- Reliable on-premises edge computing resources that can gather and process IoT data and maintain the pace of production
- Why Edge computing systems should integrate with cloud environments to create a hybrid edge-cloud infrastructure



MANOHAR ESARAPU
Head of Data and Information
City of Port Phillip



12:00 Lunch & Networking

13:00 Operational Excellence: Getting More From Industry 4.0

- Building capability in the practical basics of a lean system.
- Getting a return on your investment in Lean maturity
- Leverage insights from Industry 4.0 enhancements to focus the improvement activity of your team



KEN MCALISTER
Group Manufacturing Excellence Leader
Lion



MAIN FORUM AGENDA

29 - 30 OCTOBER 2019 | MELBOURNE, AUSTRALIA

13:30 Empowering Manufacturer with AR/VR/MR to Gain Insights on Equipment Health and Product Models to Improve Plant Operations

- Explore trends and the future projections of AR and VR applications
- Increase floor productivity by leveraging new technology over contemporary laptops and manuals
- Create 360-degree reality with AR/VR/MR to improve industrial processes with context-sensitive support and real-time traceability



PRADEEP KHANNA
Executive Director, Asia Pacific
VR AR Association



AUTOMATION IN SMART WAREHOUSES & SUPPLY CHAIN

14:00 Lion Dairy and Drinks Case Study

- Vision: Achieve End to End Supply Chain World Class Performance
- How: Phase 1- Empowering all employees to produce results
- How: Phase 2- Industry 4.0 Road Map to create a more agile & adaptable supply chain



MARCO STEPORA
Supply Chain Best Practice Director
Lion Dairy & Drinks



14:30 ResMed Case Study: Connected Solutions & Industry 4.0

- How ResMed is using Advanced Analytics to improve the lives of our patients.
- How ResMed innovates, and what that means in the context of 4.0
- What innovation has taught us



JAMIE WEHBEH
Director - Research & Technology
ResMed



15:00 Afternoon Refreshments & Networking

15:15 Logistics 4.0 - Future Warehousing & Smart Supply Chain Management

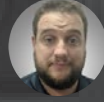
- Leading market forces impacting supply chain execution in today's market
- Physical infrastructure changes that reflect the demand of today's distribution
- What's on the horizon for Australian supply chains as seen in global trends



CHRISTINE G. MILLER
Head of Supply Chain Advisory - Pacific
CBRE Asia Pacific



15:45 BlueScope Case study: Manufacturing Systems Automation Strategy

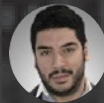


RYAN BRIGGS
Manufacturing Systems Manager
BlueScope



16:30 At what speed Digital Transformation is moving from Marketing to the Production Plant

- Customer Data is the beginning of any factory transformation
- The new C2B Model in manufactory
- Data Citizens and why they are the most critical new HR challenge for innovation and CX



SANTI (SANTIAGO VELA GOMEZ) VELA
Strategy and Digital Transformation Consultant
Automotive Industry

17:00 Closing Remarks by Forum Chairperson



MAKE THE MOST OF 2ND SMART MANUFACTURING AND INDUSTRY 4.0 FORUM

CO-LOCATED WITH: 3RD DIGITAL SUPPLY CHAIN AND HUMANLESS WAREHOUSE FORUM
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Exhibitors



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Association Partners



South East Melbourne Manufacturers Alliance (SEMMA) was established in 2003 to support manufacturing in Melbourne's South and East region.

Current membership base of 210+ companies representing a sales value of over \$5 Billion, over 15,000 employees and over an estimated 60,000 jobs in support sectors.

SEMMA strives to remain the leading voice in Victoria representing the interests of the manufacturing community in our region. We engage with State and Federal Government on key issues facing our members and we collaborate and engage with the regional Councils to reinforce our message on a local scale. Through collaboration with R&D organisations such as CSIRO, Monash, Deakin and Swinburne we introduce technology opportunities to you.

In essence, we strive to achieve our goal "Working together as one Team"

For more details, do visit us at: <https://www.semma.com.au/>



AME Australia is the premier organisation for exchanging ideas and sharing knowledge in the enterprise excellence space. Members regularly meet to explore lean thinking, discuss improvement methods, exchange best practice ideas and concepts and to network with their like-minded individuals to further their careers and improve the overall competitiveness and value add of their respective organizations.

The AME helps practitioners and business enterprises alike to understand, optimise and improve their capability and overall business performance so that they can deliver, over the long-term, sustainable improvement.

AME Membership gives you access to; education and training, improvement practices, tools, and resources and an extensive network of peers.



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Capitalize on this Forum

Do you have solutions to assist and contribute to the overall improvement of the manufacturing industry? Looking for the ideal platform to raise your profile and to increase your ROI?

Leverage our limited sponsorship packages to strengthen and confirm your market position through consistent and continual branding awareness and take advantage of the plethora of opportunities with high level decision makers.

Your Partnership with us will provide you with:

- **Unparalleled industry exposure**
- **Leads generation and set-up of meetings with key decision makers**
- **Extraordinary brand visibility, increasing brand awareness and preference**
- **Reaffirming your position in the industry and Long-term business partnerships**

Please contact **Audrey** at **+61 4 3228 7146** or email audrey@claridenglobal.org to discuss potential sponsorship opportunities or to custom make your own package.

Benefits as Media Partner or Supporting Organization at 2nd Smart Manufacturing, And Industry 4.0 Forum 2018

- **Enhance your corporate profile and visibility within your industry** - Your Company's logo will be emblazoned on our brochures and distributed to the smart manufacturing visionaries across Australia and New Zealand
- **Affiliation with an internationally recognized commercial event organizer**

Clariden Global events are widely known and trusted throughout the world for providing best value to senior industry executives. Through partnering with selected media and supporting organizations, we are capable of delivering the highest calibre of expert knowledge and key industry insights to the target market.

If you meet the criteria mentioned above and would like to explore the opportunity to partner with us for **2nd Smart Manufacturing, And Industry 4.0 Forum 2018**, please contact **Rosanna** at **+61 3 9909 7310** or email rosanna.smith@clarideglobal.org.



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Please complete this section.

Booking Contact (Approving Manager) Mr/Mrs/Ms: _____ Job Title: _____ Department: _____ Telephone: _____ Email: _____ Organization: _____ Address: _____ _____ Postal Code: _____ <input type="checkbox"/> I would like to receive more information on hotel accommodation using Clariden Global corporate rate.
--

Promotional Code (Optional): _____

Please register the following participant(s) for this Forum

(Please tick to select your forum packages. You may tick more than one.)

1st Participant Name (Mr/Mrs/Ms): _____

Job Title: _____ Department: _____

Telephone: _____ Email: _____

Forum Package Selected: _____

2nd Participant Name (Mr/Mrs/Ms): _____

Job Title: _____ Department: _____

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Forum Package Selected: _____

3rd Participant Name (Mr/Mrs/Ms): _____

Job Title: _____ Department: _____

Telephone: _____ Email: _____

Forum Package Selected: _____

4th Participant Name (Mr/Mrs/Ms): _____

Job Title: _____ Department: _____

Telephone: _____ Email: _____

Forum Package Selected: _____

FORUM FEES

Forum Packages	Regular Fee
SINGLE PASS (2ND SMART MANUFACTURING AND INDUSTRY 4.0 FORUM)	
A: 2-day Individual Pass for 2nd Smart Manufacturing and Industry 4.0 Forum Only (Most Popular)	AU\$2,595
B: 2-day Individual Pass for 2nd Smart Manufacturing and Industry 4.0 Forum + 1-day Pre-Forum Smart Manufacturing Site Tours	AU\$2,995
ALL ACCESS PASS (3RD DIGITAL SUPPLY CHAIN AND HUMANLESS WAREHOUSE FORUM + 2ND SMART MANUFACTURING AND INDUSTRY 4.0 FORUM)	
C: 3-Day All Access Pass To: 2-Day Forum Pass for 3 rd Digital Supply Chain and Humanless Warehouse Forum + 2-Day Forum Pass for 2nd Smart Manufacturing and Industry 4.0 Forum + Pre-Forum Site Tour (You Can Choose Either Autonomous Warehouse Site Tour OR Smart Manufacturing Site Tour) (Most Value)	AU\$3,395

PLEASE NOTE: The forum fee includes lunch, refreshments and forum documentation. Payments are required with registration and must be received prior to the forum to guarantee your place.

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Register with your Colleagues Today to Enjoy Group Discount*:

Group discount of 10% for the 2nd participant from the same organization.

For limited time only by 2 October 2019, register 3 participants and the 4th participant will receive a **complimentary** seat.

For 5 or more registrations, please contact **Rosanna** at rosanna.smith@claridenglobal.org.

Group Discount will only be applicable to the package of the lowest value.

*Only 1 discount scheme will apply. Discount will compound on top of your early bird discount! This offer is valid for a limited time only, till 2 October 2019.

4 WAYS TO REGISTER



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Fax: +61 3 9909 7788



Call: +61 3 9909 7310



Website: www.claridenglobal.com

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BY CHEQUE / BANK DRAFT :

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BY TELEGRAPHIC TRANSFER TO:

Bank Name: **Standard Chartered Bank**
 Bank Code: **7144**
 Bank Branch Code: **001**
 Bank Address: **6 Battery Road, #01-01 Singapore 049909**
 Bank Account No: **010775042**
 Bank Account name: **CLARIDEN GLOBAL INTERNATIONAL LIMITED**
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Please note that all bank charges are to be borne by participants. Please ensure Clariden Global International Limited receives the full invoiced amount.

Note: Please include invoice number on all payment types and your company's name in your payment instructions for our reference.

CREDIT CARD:

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FORUM VENUE AND ACCOMMODATION INFORMATION

The Langham Melbourne

28 - 30 October 2019

Address: 1 Southgate Ave, Southbank VIC 3006, Australia

Phone: +61 3 8696 8888

Website: <http://www.langhamhotels.com/en/the-langham/melbourne/>

HOW TO REGISTER AND PAY

An invoice and registration confirmation will be sent within 7 days, please contact us if you have not heard from us within 7 days. Payment can be made by credit card, by bank transfer or by cheque made payable to "CLARIDEN GLOBAL INTERNATIONAL LIMITED".

ALL PAYMENTS MUST BE RECEIVED IN ADVANCE OF THE EVENT.

ACCOMMODATION

Accommodation is not included in the program fee but you will be entitled to use our corporate rate for your accommodation. Information will be sent along with your registration confirmation.

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