



THE FUTURE OF MANUFACTURING FORUM: GLOBAL VALUE CHAINS, SMART SPECIALISATION AND FLEXIBILITY FORUM

9am–5pm* Monday 5 December 2016

(This one day Forum is part of GLOGIFT Conference being held at UTS Business School from 4–6 December 2016)

There is increasing recognition that manufacturing is a critical driver of both advanced and developing economies. For emerging economies, it provides a pathway from subsistence agriculture. For the developed world, manufacturing is a key source of innovation and competitiveness through R&D, new business models, skills development and productivity growth. As the economic environment changes, it is important to explore the future of manufacturing in global markets and value chains.

This Forum will be an opportunity to share research and ideas, with contributions on current issues and best practice. The focus of the forum is to address key challenges for the future of manufacturing nationally, regionally and internationally and how business leaders, academics and policy-makers propose to address these challenges.

Venue Details

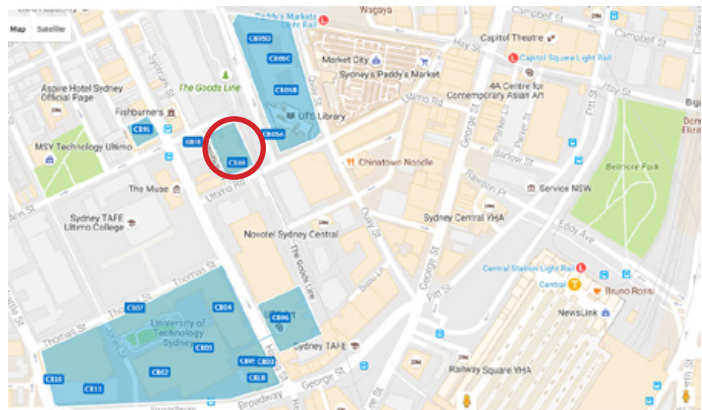
UTS BUSINESS SCHOOL

Level 2, Dr Chau Chak Wing Building

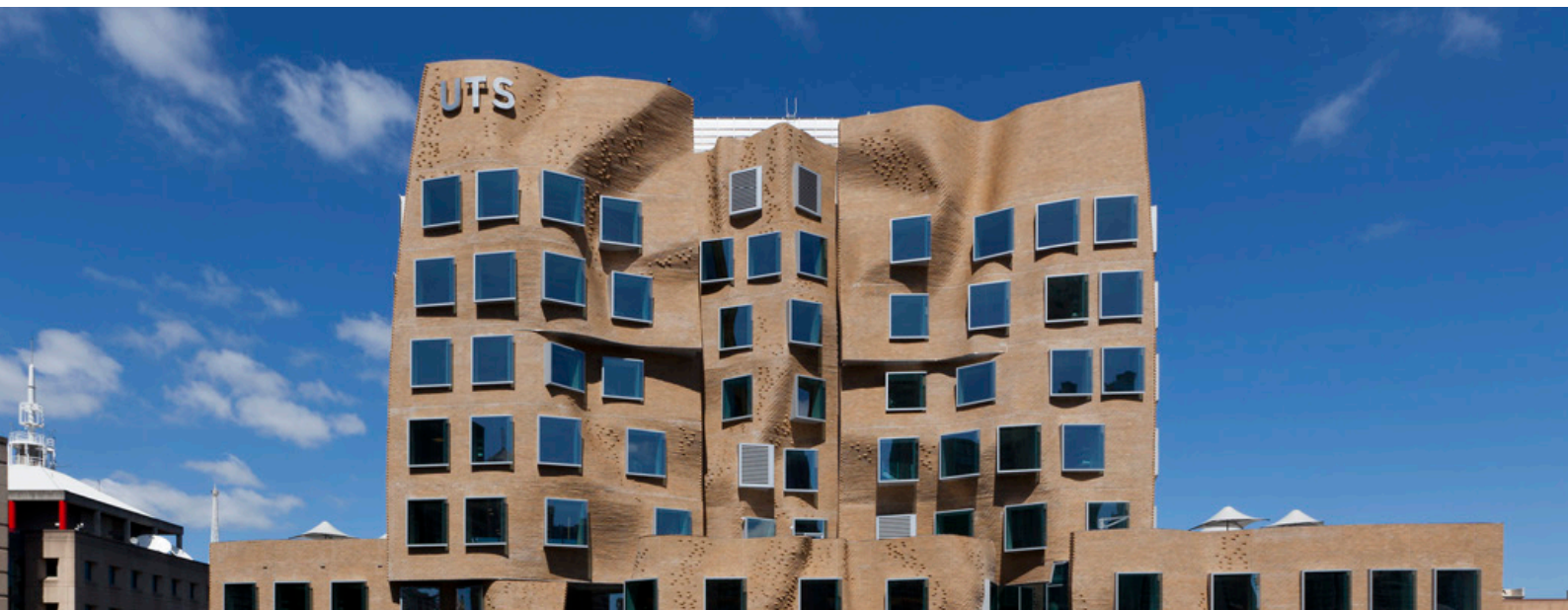
14–28 Ultimo Road

Ultimo, Sydney

* All speakers are invited for drinks and canapes starting at 5.15pm, and dinner starting at 7pm.



UTS Campus Map: Forum at CB08 Building on the map and <http://maps.uts.edu.au/map.cfm>



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Time	Event/Presenter	Topic Brief
8.30 - 9.00 am	Coffee and Registration	
9.00 - 9.30 am	<p>Welcome</p> <p>Prof Attila Brungs, UTS Vice Chancellor & President</p> <p>Prof Roy Green, Dean UTS Business School</p>	<p>Objectives and significance of the Forum</p> <p>Program for the Forum & Conference</p>
9.30 - 10.00 am	<p>First Keynote: Title TBA</p> <p>Introduction – Prof Roy Green</p> <p>The Hon Craig Laundy MP, Assistant Minister for Industry, Innovation & Science</p> <p>15 mins presentation, 15 mins Q & A</p>	<p>Industry 4.0 encompasses new technologies combining physical and digital manufacturing which impact entire economies and industries. What are the possible Industry 4.0 scenarios for Australia in the context of the Government's overall approach to industry and innovation policy?</p>
10.00 - 10.30 am	Morning Tea	
10.30am - 12.00pm	<p>First Panel: International Perspectives on The Future of Manufacturing and Global Value Chans (GVCs)</p> <p>Facilitator – Prof Roy Green</p> <p>Prof Rodney Brooks (US), Prof Jan Godsell (UK), Prof Graham Wren (UK), Prof Sushil (India)</p> <p>4 x 15 minutes presentation (60 mins) + 15 mins Q & A</p>	<p>While manufacturing jobs are declining worldwide, technology has pushed out the frontiers of trade and intensified the degree of global interdependency. Should we rethink the nature of cooperation and competition and what this means for policy in the context of manufacturing and global value chains? This session will highlight strategies for global success.</p>
12.00 - 1.00 pm	Lunch	
1.00 - 1.30 pm	<p>Second Keynote: Title TBA</p> <p>Introduction – Prof Roy Green</p> <p>The Hon Nick Champion MP, Shadow Assistant Minister for Manufacturing and Science</p> <p>15 mins presentation, 15 mins Q & A</p>	<p>Industry and innovation policy have been contested areas in recent years. What would Labor do if it was in government now, given the challenges of a post-mining boom economy? Can the much needed investment in knowledge and skills be delivered in the context of budget repair?</p>
1.30 - 3.00 pm	<p>Case Studies of Innovation in Manufacturing</p> <p>Facilitator – Peter Roberts</p> <p>Case Study 1 - Peter Freedman - RODE Microphones</p> <p>Case Study 2 - Mary Brittain-White - Retriever Communications</p> <p>Case Study 3 - Todd Williams - Hunter RDA</p> <p>Case Study 4 - Paul Duggan - TechShop</p> <p>4 x 15 minutes presentation (60 mins) + 15 mins Q & A</p>	<p>There are many examples of success in Australian advanced manufacturing and its participation in global markets and value chains. This session focuses on current case studies of innovation in products, services, business strategy and regional cluster development. How can firms and organisations overcome turbulent times through 'smart specialisation' and a global mindset?</p>

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Time	Event/Presenter	Topic Brief
3.00 - 3.30 pm	Afternoon Tea	
3.30 - 5.00 pm	Second Panel - What Next for Manufacturing Facilitator – Peter Roberts Mr Innes Willox, Ms Maria Pallazallo, Mr Jens Goennenmann, Mr David Chuter 5 x 15 (75 minutes presentation) + 15 mins Q & A	This session involves leaders of organisations working with and representing Australian manufacturing, logistics and supply chain businesses. These leaders will share insights into how they and their organisations have contributed to reframing the future of Australian manufacturing. What are the key strategic challenges ahead in creating a competitive and dynamic manufacturing sector?
5:00 - 5:15 pm	Manufacturing Forum Summary and Close Associate Prof Renu Agarwal and Adjunct Prof Julia Connell	
5:15 - 6.15 pm	Manufacturing Forum & Conference Pre-dinner drinks Level 3, UTS Business School, Dr Chau Chak Wing Building	
7.00 pm onwards	Manufacturing Forum & Glogift Conference Dinner Introduction – Prof Roy Green Dinner Talk - Mr B Vanlalvawna, Consul-General of India, Sydney (Venue Zaaffran, Darling Harbour)	

ORGANISING COMMITTEE:

Professor Roy Green

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Australian Manufacturing Forum

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SPEAKERS



Professor Attila Brungs

As Vice-Chancellor and President of the University of Technology, Sydney, Professor Attila Brungs, is the university's Chief Executive Officer. He is responsible to the UTS Council for the effective management of the University.

Professor Brungs has been a researcher in both industry and academia, with interests in the area of heterogeneous catalysis. In 2013 Professor Brungs was appointed as a member of the ARC Advisory Council, he is also a member of a number of national committees such as the federal government's Research Data Infrastructure Committee.

Prior to his appointment as Deputy Vice-Chancellor (Research) at UTS in September 2009, Professor Brungs was General Manager, Science Investment, Strategy and Performance at CSIRO. His role incorporated the determination of broad research direction and resource allocation, performance monitoring of CSIRO research programs including its flagship programs, and the development and implementation of organisational strategy.

Before joining CSIRO in 2002 Professor Brungs was a senior manager at McKinsey and Co, managing teams in North America, Asia, New Zealand and Australia. He has also been on the board of a number of entities including not-for-profit organisations such as Greening Australia NSW.

Professor Brungs is a Rhodes Scholar, with a Doctorate in Inorganic Chemistry from Oxford University, and recipient of the University Medal in Industrial Chemistry from UNSW.



Professor Roy Green

Roy Green is Dean of the UTS Business School at the University of Technology Sydney. His doctorate is from the University of Cambridge and he has worked in universities, business and government in Australia and overseas. Roy has published widely in the areas of innovation policy and management and undertaken projects with the OECD and European Commission.

Roy chaired the Australian Government's Innovative Regions Centre and CSIRO Manufacturing Sector Advisory Council, and he has served on the Prime Minister's Manufacturing Taskforce and as expert adviser to the recent Senate Innovation System inquiry. He was last year appointed chair of the Queensland Competition Authority.



Hon Craig Laundry MP

Craig Laundry was elected as the Federal Member for Reid in 2013 and was recently appointed as the Assistant Minister for Industry, Innovation and Science following the 2016 election.

In his first term, Craig served on a number of Parliamentary Committees including as Chair of the House of Representatives Standing Committee on Economics. Craig was also a member for the Joint Statutory Committees of Public Accounts and Audit, and Corporations and Financial Service. During his time in Parliament, Craig has taken strong stances representing the electorate of Reid - defending the Racial Discrimination Act, advocating for an increase to Australia's refugee intake, and as a vocal supporter of multiculturalism.

Before entering politics, Craig had a successful career working his family hotel business, Laundry Hotels, overseeing the modernisation of the business and was responsible for the front line operations.

Peter Roberts

Peter Roberts is a leading journalist, editor and company networking expert.

In 2013 he founded the 4,000-member Australian Manufacturing Forum on LinkedIn which is the country's largest social media networking and discussion group focused on the manufacturing sector.

Peter is a Director of Rodin Genoff & Associates which provides consulting services creating networks and clusters of SME businesses, mainly for regional government clients in Australia and northern Europe.

He also advises companies and organisations including on how to use professional social media to increase their profile, influence and identify new partners and clients.

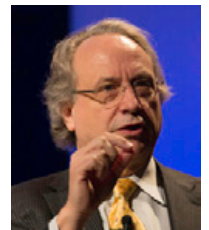
Previously Peter was industry writer for The Australian Financial Review, and Managing Editor of BRW magazine and of Fairfax Business Media's Asian technology magazine business, based in Singapore.

He is a member of Nestle Oceania's Creating Shared Value advisory board and a member of the advisory board of the First5000, a network of the owners of Australia's largest private businesses.



Professor Rodney Brooks

Rodney Brooks is the Panasonic Professor of Robotics (emeritus) at MIT, and the Chairman, CTO, and founder of Rethink Robotics. In past times he was the co-founder and CTO of iRobot (Nasdaq: IRBT), and the Director of the MIT Computer Science and Artificial Intelligence Lab (CSAIL: <http://www.csail.mit.edu>). He was born in Adelaide and moved to the US in 1977 for his PhD at Stanford University in Computer Science. Rethink Robotics has introduced and is selling worldwide a new class of collaborative robots for manufacturing, that are safe, easy to train, come with AI and rich sensors, and bring agile software to the factory floor.



Professor Jan Godsell

Jan Godsell is a Professor of Operations and Supply Chain Strategy at WMG, University of Warwick. She leads the Supply Chain Research Group and the Supply Chains in Practice (SCIP) industrial collaborator forum. Jan has more than two decades of combined industry experience in product development, innovation, supply chain strategy, and process improvement working for ICI, Astra Zeneca and Dyson. She is a Chartered Engineer and a member of the Manufacturing Industries Division board for the Institution of Mechanical Engineers and a member of the European Operations Management (EurOMA) Board. Jan was also part of the manufacturing advisory group for the Department of Business Innovation and Skills (BIS)



SPEAKERS



Professor Graham Wren

Graham is Special Advisor to the Principal and Major Projects Director at the University of Strathclyde in the UK. In 40 years of science and engineering business experience he has been a member of more than 30 company and research centre boards and has represented the UK

Government on OECD and NEA committees, has given evidence to UK Parliamentary select committees and has sat on numerous government and industry committees.

Within the University Graham has overseen a number of ambitious projects to drive engagement with industry. These have included: the £100M Technology and Innovation Centre; the £145M Advanced Forming Research Centre; the £105M Centre for Continuous Manufacturing and Crystallisation; a £30M Power Networks Demonstration Centre, and most recently the Advanced Nuclear Research Centre. Graham was also instrumental in creating the Weir Advanced Research Centre for Weir Group plc.

He is a Fellow of the Royal Society of Arts: FRSA; Fellow of the Institute of Engineering and Technology: FIET; Fellow of the Chartered Institute of Marketing: FCIM; Fellow of the Institution of Mechanical Engineers: FIMechE and a Fellow of the Institute of Directors: FIoD. He is a Chartered Engineer, Chartered Director and Chartered Marketer.

Professor Sushil



Sushil is Abdulaziz Alsagar Chair Professor (Professor of Strategic, Flexible Systems and Technology Management) and Chair, Strategic Management Group, Department of Management Studies, Indian Institute of Technology Delhi. He has served as Deputy Director (Operations) and Dean (Faculty) at IIT

Delhi. He has served as Visiting Professor and delivered seminars in many leading universities. He is an active researcher and has supervised more than 60 doctoral dissertations. He has twenty books to his credit and over 300 papers in various refereed journals and conferences. He is the Founder Editor-in-chief of Global Journal of Flexible Systems Management and the Editor of Book Series on Flexible Systems Management published by Springer. He is the Founder President of the professional body, 'Global Institute of Flexible Systems Management'.



Nick Champion

Nick represents the Australian Labor Party as the Shadow Assistant Minister for Manufacturing and Science.

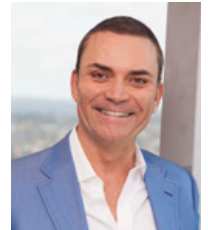
Nick is committed to a strong future for Australian manufacturing industries. He represents the electorate of Wakefield, an electorate with a proud manufacturing history

including automotive manufacturing at Holden and food and wine production including in the Barossa and Clare valleys.

Before being elected to parliament in 2007, Nick was President of the South Australian branch of the ALP, worked as a union official at the Shop Distributive and Allied Employees' Association and worked in a variety of other roles

Peter Freedman

Founder and Managing Director, RØDE Microphones



Shortly after inheriting Freedman Electronics, the pro-audio business he'd grown up in, Peter Freedman nearly ran it into the ground. He lost his home and was over a million dollars in debt. Now, almost 30 years later, Peter has rebuilt the company into an Australian manufacturing-exporting powerhouse that delivers peerless studio, broadcast, performance and filmmaking microphones to 111 countries. How he and the team at RØDE Microphones accomplished this is a story of determined success through innovations in design, process and marketing, and of bucking then resetting the received wisdom of the day. Among many awards, Peter awarded the Order of Australia in 2016, for services to export and philanthropy in the arts. Freedman Electronics celebrates 50 years in business in 2017.

Mary Brittain-White

Mary is the Managing Director and founder of Retriever Communications. Retriever successfully raised over \$20million from institutional investors for the development of Retriever's wireless platform, with ING being Retriever's largest institutional shareholder today.



Mary's career started at IBM where she stayed for over a decade before moving into the mobile data market in 1994 by becoming the Managing Director of RadioMail, a Motorola company and precursor to Blackberry wireless email.

Twenty years down the track, Retriever's customers include household names such as Otis, Veolia and Carlton United Brewers. The Retriever team works closely with its customers to maintain their solid position in an increasingly competitive landscape of industrial mobile software.

In the last 5 years Retriever has been positioned continuously on Gartner's Magic Quadrant - the only Australian company to have achieved this in their market space, a key achievement for successful internationalisation. Retriever today has product development and customer support centers in Sydney and Houston Texas, however it remains an Australian company with aspirations of an ASX listing.

Todd Williams

Regarded as a proven collaborator and metrics driven Chief Executive with a track record supporting entrepreneurial growth, Todd is currently the CEO of Regional Development Australia Hunter. His experience and expertise has been earned in sectors such as financial services, business services, education, health, leisure and recreation.



Todd's specialist skills include business growth, economic development, external relations, project planning, and strategic planning. He has lead large dispersed organisations and successfully effected organisational change, which has resulted in significant business growth and cultural transformation.

Todd works strategically and successfully with supervisory and executive boards, and has a reputation for being clear-minded and developing practical solutions.

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He has been invited to present internationally on a range of topics including economic development, innovation, infrastructure and high speed rail.

His education includes Masters Degrees in Business complemented by executive education from Harvard University and INSEAD.

Key professional affiliations include Fellow of the Australian Institute of Company Directors (AICD), Trustee of the Committee for Economic Development Australia (CEDA), Adjunct Fellow of the European Union (EU) Centre RMIT, and Board Director NSW TAFE Commission Board.

Paul Duggan

Paul Duggan is CEO of TechShop Global and responsible for the expansion of the company outside the United States.

A serial entrepreneur, he established his first company at age 15. Over the past two decades, Paul established a number of successful companies in consulting, technology, software, internet, television, film and multimedia industries.

Duggan has been described as a polymath with many years of international experience and has worked throughout Asia, the Middle East and the US. His work has been in a diverse range across media, technology, finance, legal, environment and the creative arts.



Innes Willox

Innes Willox is Chief Executive of the Australian Industry Group, a leading industry organisation representing businesses in a broad range of sectors including manufacturing, construction, defence, ICT and labour hire.

Innes joined Ai Group as Director International and Government Relations in 2008. He was appointed Chief Executive in May 2012. Innes is also a Director of Australian Super.

Prior to joining Ai Group he held a number of senior roles in both the public and private sectors. He served as the Australian Consul General to Los Angeles from 2006 to 2008, Chief of Staff to the Australian Minister for Foreign Affairs, Alexander Downer, from 2004 to 2006 and earlier was Manager of Global Public Affairs for Singapore Airlines based in Singapore (2000-04).

Innes began his career as a journalist. His positions included Chief of Staff at The Age newspaper in Melbourne and Chief Political Correspondent for The Age in Canberra.



Maria Palazzolo

Maria Palazzolo is the Chief Executive Officer of GS1 Australia and Executive Director of the company's Board of Directors.

GS1 Australia is a not-for-profit standards and services association that develops and maintains the most widely used supply chain standards in the world.

Maria has been responsible for transforming GS1 Australia into an innovative eBusiness association and a technology neutral supply chain partner of choice for many Australian organisations, associations and industries including manufacturing.

The successful implementation of GS1 standards to improve supply chain efficiency continues to be a major business driver for Australian manufacturing, logistics and supply chain businesses.

Dr Jens Goennemann

Dr Jens Goennemann joined AMGC Ltd in 2016 where he brings extensive experience managing large manufacturing operations in Australia and Europe. In previous roles, he served as Managing Director of Airbus Group Australia Pacific and Airbus Helicopters. Before his seven-year appointment to Australia, Jens spent six years in Germany with the former European Aeronautic Defence and Space Company (EADS), today known as Airbus Group. He was Head of the CEO's office in Germany, and before that was in charge of Soldier and Parafoil Systems within the Defence Division. Previously, he spent two years in Athens, where he established and managed the Eurofighter Office of DaimlerChrysler Aerospace, one of the three founding partner companies of EADS. He began his career with Daimler-Benz AG in January 1996.



Dr Goennemann has a PhD in Economics from the University of Hamburg and a Bachelor of Business from Hamburg School of Business Administration. He is a board member of the German Australian Chamber of Industry and Commerce to foster the business relationships between both countries. In addition, he is a Fellow of the Australian Institute of Company Directors.

As an avid skydiver, Jens enjoys jumping out of perfectly good aeroplanes which earned him multiple national skydiving titles in Germany and Australia as well as a world record. He is a triple Australian skydiving champion and was among 213 German skydivers who leapt into history 18,000ft above the Arizona desert to break a world record in October 2014.

David Chuter

David Chuter is an experienced senior executive with a strong industry record in leading strategic business growth, operational management and change in the manufacturing sector. He has more than twenty-five years of international manufacturing and supply chain experience, with much of this experience gained in the automotive industry, and has successfully developed, established and led significant businesses in Australia, Thailand, China and the UK.



Since 2014, David has been the Chief Executive Officer of MHG Asia Pacific, a multinational and diversified manufacturing company with headquarters in Melbourne. From 2001 to 2014, David was a member of the executive leadership team at Futuris, Australia's largest automotive tier one supplier. David has also previously held the Presidency of the FAPM Southern Region (Federation of Automotive Products Manufacturers) and been a member of the Victorian Executive Committee of the Australia China Business Council. David has worked in a variety of roles including leadership, strategy, business development, marketing, manufacturing and operational management, design, engineering and technology. He is passionate about local industry and creating a stronger platform for the wider Australian manufacturing sector through the enhancement of innovation, research, collaboration and competitiveness.

David has extensive international experience, especially in the

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European and Asia-Pacific region. He lived in the Philippines from 1973 to 1987, and migrated to Australia from the UK in 1999 where he worked for Magna International. David also spent considerable time in China during 2005 - 2006 where he established Futuris' business and took on the role as Futuris' first General Manager in China. David lived in Thailand from 2012 - 2014 where he was Futuris' Executive General Manager.

David holds a first class Honours Degree in Manufacturing Engineering and Management from the University of Bath in England, and is a Chartered Engineer with the Institution of Engineering and Technology.



Shri B. Vanlalvawna

Shri B. Vanlalvawna was educated at St. Stephen's College, Delhi University. He joined the Indian Foreign Service in 1998, has learnt Japanese and served in Indian Missions/Post in Tokyo, Shanghai and Brussels. His last foreign assignment was as Deputy Chief of Mission in Cairo.

In New Delhi, he served as Head of Office in the office of Minister for the Development of North East Region and Panchayati Raj (Local Government), Government of India from 2007 to 2009 and as Director looking after Administration and Human Resource related issues in the Ministry of External Affairs from 2014 to 2016.

He assumed charge as Consul General of India in Sydney on 19 February 2016. Shri Vanlalvawna is married to Dr. Rosy L Khuma, a medical doctor and a writer. They have three children.

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The Australian Manufacturing Forum.

Discussion - networking - policy formulation

The 4,000-member Australian Manufacturing Forum is the definitive space on social media where those committed to a positive future for manufacturing network and discuss common issues. The Forum organises networking events and Best Practice tours of companies and organisations. The Forum advisory group has crowd sourced from members policy recommendations for government. The interaction and policy outcomes of the Forum make it a new, grass roots voice for manufacturing.

According to the Group Rules: "Our stance is optimistic, positive and forward-looking."

To join the group search under groups on LinkedIn for the Australian Manufacturing Forum.

