

# MQ WOMEN IN ENGINEERING LEADERSHIP SUMMIT

The leadership Summit consists of sessions which will help in nurturing leadership skills and provides a platform for networking with the leaders from Industry and Academia. Event is organized for early to mid-career academic staff members and HDRs of Macquarie University.

## When and Where?

09:00-17:00

April 15, 2019

MUSE Conference Hall,  
Level 3, 18 Wally's Walk  
Macquarie University

## Registration



**Tracey Gramlick**  
Leader of Verification  
Services, CSIRO



**Mellissa Hardtke**  
Integration Leader  
Raytheon Australia



**Anna Gao**  
Channel Manager  
Huawei Technologies



**Elizabeth Tosti**  
Sector Director  
Safework NSW



**Jane Rapsey**  
Department Manager  
Cochlear



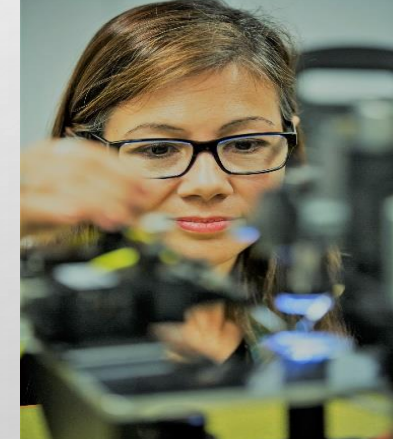
**Prof. Rose Amal**  
ARC Laureate Fellow  
UNSW



**Prof. Darren Bagnall**  
Dean of Engineering  
Macquarie University



**Prof. Min Chen**  
ARC CoE Node Leader  
University of Sydney



**Prof. Francesca Iacopi**  
Head of Comm. and  
Electronics, UTS



**Dr. Sophie Primig**  
Senior Lecturer and  
DECRA, UNSW



**Dr. Shuying Wu**  
Senior Lecturer and  
DECRA, MQ

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Time	Program
8:30-9:00	Registration
9:00-9:05	Opening Remarks Prof. Marie Herbestein, Chair of Academic Senate, MQ
9:05-10:05	Keynote Lecture: Tracey Gramlick, CSIRO Chair: Ms. Naila Mukhtar
10:05-10:30	Women In Engineering Introductory Talk: Prof. Candace Lang, School of Engineering, MQ
10:30-11:00	Morning Tea
11:00-12:00	Panel Discussion (Industrial Engagement) Chair: Dr Ruth Oliver Panel Members: Melissa Hardke (Raytheon), Anna Gao (Huawei Technologies), Elizabeth Tosti (Safework NSW), Jane Rapsey (Cochlear)
12:00-13:00	Lunch
13:00-14:00	Keynote Lecture: Prof. Rose Amal, ARC Laureate Fellow, UNSW Chair: Dr Yijiao Jiang
14:00-15:00	Panel Discussion (Academia) Chair: Prof. Candace Lang Panel Members: Prof. Min Chen (USYD, ARC CoE Node Leader), Prof. Darren Bagnall (MQ, Dean of Engineering), Prof. Francesca Iacoqi (UTS, Head of Discipline), Dr. Sophie Primig (UNSW, Senior Lecturer and DECRA), Dr Shuying Wu (MQ, Senior Lecturer and DECRA)
15:00-16:25	Afternoon Tea & Networking
16:25-16:30	Closing remarks Chair: Prof. Candace Lang

# Meet Our Speakers



**Tracey Gramlick** has a background in Engineering and a Master in Technology Management and Administration. With more than thirty years of experience in the industrial metals and building products sectors she has had diverse experience in a number of manufacturing, R&D, advocacy, management and marketing roles in private, not for profit and government enterprises. She has travelled extensively in her various roles and has presented at numerous conferences in Australia and overseas on business growth and development, building and construction practices and standards, sustainability, and energy efficiency. Tracey recently joined the CSIRO to lead their Verification Services team in Infrastructure Technologies following 15 years as CEO and Executive Director of the Australian Window Association. She is also a board director of Standards Australia and sits on an advisory board for the Marriott Vacation Club Thailand properties.



**Mellissa Hardtke** is a Systems Engineer at Raytheon Australia. Her role is an interdisciplinary engineering role which extends to ensuring the systems development lifecycle is adhered to when building a successful, complex system. Mellissa joined Raytheon in 2006 and has worked on the Combat System for the Air Warfare Destroyer (AWD) program and various Collins Class Submarine programs. Prior to Raytheon, she worked at Boeing for 5 years. Currently, she is Integration Leader for a submarine communications upgrade and enhancement program. She is actively involved in mentoring engineering students; participating in a Women in Engineering program at UTS and initiating an internship at Raytheon Australia. Mellissa holds a Bachelor of Computer Science from Monash University. She majored in Software Engineering and Business Systems. Mellissa is married (to another engineer!), has 2 delightful boys, loves reading and electricity pylons.



**Anna Gao** is an enterprise channel manager at Huawei Technologies Australia Pty Ltd. She has been working in information technology industry for over 12 years, mainly focusing on training, certifications, academic program. She has taken a role of Huawei academia and channel manager at Huawei Australia since 1.5 years ago. Anna holds double master degrees in information technology and computer software engineering from the University of Sydney and the University of Technology Sydney, respectively.



**Elizabeth Tosti** began her career as a chemical engineer at BlueScope Steel. After 6 years she changed career direction and took on a role as a safety coordinator. She completed a Graduate Diploma in OHS from the University of Newcastle. In 2003, she was a National Safety Manager for the privately owned mining company, Sibelco Australia. In 2017, Elizabeth took on a role as the National Safety Manager for GrainCorp Ltd. She became a General Manager OHS at the Roads and Maritime Services. Elizabeth then joined Leighton Holdings Ltd as Group Manager, Safety followed by a role as Head of Safety, Health and Environment, Australia for Lend Lease. After this time, Elizabeth spent three years in the Fast Moving Consumer Goods industry, as Director of Safety, Health and Environment for the food manufacturer Goodman Fielder. Elizabeth is now working for Safework NSW, as Director of Metropolitan Operations and Sector Initiatives.



**Jane Rapsey** is currently the Manager for the Implants Mechanical department within Cochlear Ltd, the global leader in implantable hearing solutions. She has 21 years' experience in the medical device field, working on implant designs and their manufacture, allowing recipients of all ages to hear and connect with life's opportunities. Jane has held many roles in process, design & Project Engineering, Project Management, Team Leader & now People Management, as well as Parenthood - wrangling her three children & their many sporting pursuits.

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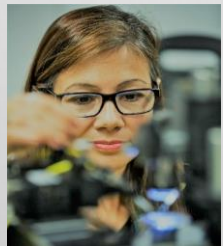
**Prof. Rose Amal** is a UNSW Scientia Professor and an ARC Laureate Fellow. She is the leader of the Particles and Catalysis Research Group in the School of Chemical Engineering, UNSW, Sydney. Rose has received numerous prestigious awards including: being listed in the Australia's Top 100 Most Influential Engineers (2012-2015). She is a Fellow of Australian Academy of Technological Sciences and Engineering (FTSE), a Fellow of Australian Academy of Science (FAA). She has received the nation's top civilian honour – the Companion of the Order of Australia – as part of the 2018 Queen's Birthday Honours for her eminent service to chemical engineering, particularly in the field of particle technology, through seminal contributions to photocatalysis, to education as a researcher and academic, and to women in science as a role model and mentor.



**Prof. Darren Bagnall** is Dean of Engineering at Macquarie University. Darren built his research career around semiconductor devices, nanophotonics and solar energy, at Salford, Strathclyde, Tohoku, Southampton and UNSW before taking on his current role. At Macquarie University his aim is to build a state-of-the-art School of Engineering that is progressive in its pedagogy and culture. He believes that the demographic of engineering should reflect the wider community and his stated aim is gender balance in the school's academic staff. Since joining Macquarie he has accelerated a cultural-shift that has in the last 18 months seen the school move from around 10% (3 out of 27) to 25% (10/40) women.



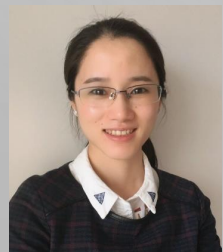
**Prof. Min Chen** is Professor of Plant Molecular Biology at the University of Sydney. She obtained her PhD from the University of Sydney in 2003, studying chlorophylls and photosynthesis at the molecular scale. She then took several ARC research fellowships including ARC-Australia Postdoc Fellowship, ARC-QEII Fellowship and ARC-Future Fellowship. She became Professor in 2015. She is the recipient of Science Minister's prize for Life Scientist of the Year in 2011. She is also the recipient of the Robin Hill Award from the International Society for Photosynthesis Research and the Peter Goldcare Award from the Australian Society of Plant Scientists in 2013.



**Prof. Francesca Iacopi** has 20 years' industrial and academic expertise in semiconductor technologies, with over 120 peer-reviewed publications and 9 granted US patents. Her research focuses on the translation of basic scientific advances in nanomaterials and novel device concepts into implementable technologies. She was recipient of an MRS Gold Graduate Student Award (2003), an ARC Future Fellowship (2012), and a Global Innovation Award in Washington DC (2014). Francesca is a Fellow of the Institution of Engineers Australia and regular volunteer for IEEE and MRS. She is currently head of Communications and Electronics, in the Faculty of Engineering and IT of the University of Technology Sydney.



**Dr. Sophie Primig** is currently a Senior Lecturer, Scientia Fellow and ARC DECRA Fellow in the School of Materials Science & Engineering at UNSW Sydney. She was awarded both her MEng (2008) and PhD (2012) in Materials Science & Engineering from Montanuniversitaet Leoben, Austria. She completed a Graduate Certificate of University Learning and Teaching at UNSW in 2017. She is an Editor of the Journal of Materials Science. Sophie is a Physical Metallurgist with a track record in both fundamental and industry-focused research. Her research goal is to develop an advanced capability in structure-property relationships across the processing route of metallic materials. The focus of her research is on Ni-based superalloys, advanced steels, and refractory metals. She currently supervises seven PhD students and one Post-Doctoral researcher and a number of undergraduate researchers.



**Dr. Shuying Wu** is a Senior Lecturer and ARC DECRA fellow in the School of Engineering, Macquarie University. Her research interests encompass design and fabrication of multifunctional polymer nanocomposites, flexible and stretchable sensors and conductors, and carbon-based nanomaterials, etc. She received her PhD in Polymer Science and Engineering from Deakin University. After that, she worked as a Research Associate for six months at Deakin University, a Research Fellow for three years at RMIT University. In 2017, she secured ARC DECRA fellowship and moved to UNSW. She joined Macquarie University as a Senior Lecturer in Oct 2018. She is also a recipient of Australia Endeavour Fellowships in 2017 and UNSW-Tsinghua Collaborative Research Fund Seed Grant in 2018.