










# SPEAKER LIST

## Bios

# 2022 ANFF SHOWCASE










## FOUNDATION OF GROWTH

	Name	Organisation/University	Biography
	<b>Reem Almasri</b>	University of New South Wales	Reem Almasri is a PhD candidate in Biomedical Engineering at the University of New South Wales. She is conducting research on the fabrication of conformable multi-optrode array for neural interfacing.
	<b>A/Prof Jarek Antoszewski</b>	University of Western Australia	A/Professor Jarek Antoszewski joined the Microelectronics Research Group at UWA in 1992. Since then, he has worked on development and characterisation of IR semiconducting materials and then fabrication and testing of IR sensors and imaging arrays. In this research field he has been CI on numerous research grants and is author/co-author of over 200 journal and conference publications. In recent years his main interest is focused on development of large format IR imaging sensors for Australian research and industry.
	<b>Prof Andrew Dzurak</b>	University of New South Wales	Professor Andrew Dzurak is an innovator and entrepreneur in the global quantum technologies ecosystem, leading teams in both industry and academia. He is CEO & Founder of Diraq, a full-stack quantum computing company employing the silicon CMOS qubits developed by his team at UNSW Sydney over the past two decades. He is also concurrently a Scientia Professor in Quantum Engineering at UNSW Sydney, an ARC Laureate Fellow and a Member of the Executive Board of the Sydney Quantum Academy.
	<b>Prof Heike Ebendorff-Heidepriem</b> on behalf of <b>CK Singla</b>	Flawless Photonics Pty Ltd	Professor Heike Ebendorff-Heidepriem received a PhD degree from the University of Jena, Germany, in 1994. Since 2005, she has been with the University of Adelaide, Australia. She currently leads the Fibres and Photonics Materials Research Group and is the Deputy Director of the Institute for Photonics and Advanced Sensing. She is also the Director of the Adelaide University Optofab Hub of the Australian National Fabrication Facility.
	<b>Khatereh Edalati</b>	University of Melbourne	Khatereh Edalati is a PhD student in Physics with a Materials Engineering background. Her research fields are Biomaterials and Medical devices, including fabrication process and characterisation, which works on improving gold bonding on diamond for medical implants.
	<b>Prof Lorenzo Faraone</b> on behalf of <b>Prof Kevin Fynn</b>	University of Western Australia	Professor Lorenzo Faraone is currently a Professor at the University of Western Australia and serves as the Director of the Western Australian Node of the Australian National Fabrication Facility, and head of the Microelectronics Research Group (MRG). His areas of research and industrial experience cover Si, GaAs, HgCdTe, AlGaIn/GaN and Optical MEMS device physics and modelling, device fabrication technology and reliability, and electrical and physical characterisation of semiconductor materials and device structures.
	<b>Dr Deirdre Feeney</b>	University of South Australia	Dr Deirdre Feeney is an artist and Lecturer of Contemporary Art at the University of South Australia. Combining historical technologies with contemporary fabrication processes, she develops optical image systems as perceptual tools for generating awareness around technologically mediated experience.
	<b>Prof Lan Fu</b>	Australian National University	Professor Lan Fu is Head of the Department of the Electronic Materials Engineering at the Research School of Physics, the Australian National University (ANU).
	<b>Dr Martin Fuechsle</b>	Archer Materials	Dr Martin Fuechsle leads Archer's quantum technology development. He has 10 years' experience in building quantum computing devices and technology.

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	<b>Dr Dylan Hegh</b>	Institute of Frontier Materials - Deakin University	Dr Dylan Hegh is the Manager of the ANFF-Deakin Hub and Circular Economy at the Institute of Frontier Materials responsible for fibre production and characterisation. He works on diverse range of sustainable and advanced functional fibres for industry partners ranging from waste regenerated cellulose to carbon fibre.
	<b>Dr Amanda Kijas</b>	University of Queensland	Dr Amanda Kijas is a passionate research scientist who joined Professor Rowan's group in 2017 to develop novel bleeding control products, to save lives at the point of injury. Together they have repurposed nature's innovation, overcoming the many reasons people bleed to death.
	<b>Prof Nicholas Nicolaides</b> on behalf of <b>Dr Ben Vaughan</b>	University of Newcastle	Professor Nicolas Nicolaides works within ANFF and the Centre for Organic Electronics to deliver industry project goals and improve and maintain the required equipment
	<b>Ahmed Rashed</b>	Deakin University	Ahmed Rashed is a chemist received his MSc degree in Chemistry at the American University in Cairo. He is currently a PhD candidate at Deakin University. His research interests include the understanding of nanoscale interactions between contaminants and surfaces as well as the engineering of catalytic membrane reactors for water treatment.
	<b>Dr Duy Phu Tran</b>	University of South Australia	Dr Duy Phu Tran is a research fellow at University of South Australia. He has strong interdisciplinary experience in sensing technologies and IVD development in both academia and industry. His current research interest focus on the translation of semiconductor sensor technology for point of care testing of pregnancy complications, heart failure and traumatic brain injury.
	<b>Dr Majid Ebrahimi Warkiani</b>	University of Technology Sydney	Dr Majid Ebrahimi Warkiani is a Professor in the School of Biomedical Engineering, UTS, Sydney, Australia. He is co-director of the Australia-China Joint Research Centre for Point of Care Testing and a core-member of Institute for Biomedical Materials & Devices (IBMD) and Centre for Health Technologies (CHT) at UTS.
	<b>Dr Anna Waterhouse</b>	University of Sydney	Dr Anna Waterhouse leads the Cardiovascular Medical Devices Group at the University of Sydney. Her research focuses on using inspiration from nature to develop new tools and technologies to improve medical devices.
	<b>Dr Michal Zawierta</b>	University of Western Australia	Dr Michal Zawierta is a Research Fellow with the Microelectronics Research Group at the University of Western Australia (Perth, WA) and a Process Engineer in the ANFF-WA node. His current research activities involve optical microelectromechanical systems.
	<b>Dr Jihua Zhang</b>	Australian National University	Dr Jihua Zhang is a research fellow in the TMOS Centre, Research School of Physics at Australian National University. His current research interests are on numerical design and nanofabrication of metasurfaces for nonlinear and quantum photonics.