

NSW Smart Sensing Network

2nd COVID-19 Q&A Virtual Forum

Thursday, 21 May 2020 | 10.30am – 12.00pm

As the global COVID-19 pandemic continues, the NSW Smart Sensing Network (NSSN) aims to focus on **“How sensing & diagnostics can help stop the spread of COVID-19”** on delivering solutions across a complexity of layers. As a consortium of the leading universities in NSW, the NSSN is well-placed to inform society of the research and development taking place in NSW that is contributing to the wellbeing and health of the public in these ever-changing times.

To register for this event, please click [here](#).

Moderator

Mr Robyn Williams AO, Science journalist and broadcaster

Mr Williams graduated with a Bachelor of Science (honours) in England. He has conducted countless interviews with scientists on respected ABC TV programs such as *Quantum* and *Catalyst*, narrated the *Nature of Australia* series and appeared in *World Safari* with David Attenborough. Robyn has served as the president of the Australian Museum Trust, chairman of the Commission for the Future, president of the Australian Science Communicators, and is currently Deputy Chair of the Australian Science Media Centre. In 1987, he was proclaimed a National Living Treasure. In 1993, Robyn was the first journalist elected as a Fellow Member of the Australian Academy of Science. He was appointed AM in the 1988 Australian Bicentenary honours list and in the same year received honorary doctorates in science from the University of Sydney and Macquarie and Deakin Universities. The ANU awarded him a doctorate of law, and he is a visiting professor at UNSW and an adjunct professor at the University of Queensland. A Reuters fellowship at Oxford University allowed him time to write his autobiography, *And Now for Something Completely Different*. Robyn was appointed AO in the Australia Day honours list 2020. He has written over more than 11 books, the latest being a book *TURMOIL, Letters from the brink*, NewSouth Press.



Virtual Panel

Prof. Wojciech Chrzanowski, Deputy Director, Sydney Nano Institute

Prof. Chrzanowski is a Deputy Director at Sydney Nano Institute and Head of Nanomedicine and Nano-Bio-Characterisation laboratory in the Sydney School of Pharmacy, Faculty of Medicine and Health. He is an expert in nanomedicine that translates nanoscience to human applications (e.g effective technologies that regulate stem cells to promote desired tissue repair). Wojciech has contributed over 150 peer-reviewed publications and four patents. He is the recipient of the 2019 Barry Inglis Medal from the National Measurement Institute, the 2018 University of Sydney Vice Chancellor’s Award for Excellence in Research and Education and 2018 Outstanding Paper Award from the Royal Society of Chemistry.



Virtual Panel *continued*

Prof. Paul Dastoor, Centre of Organic Electronics, University of Newcastle

Prof. Dastoor is a Professor of Physics at the University of Newcastle in Australia. He received his B.A. degree in Natural Sciences and his PhD in Surface Physics from the University of Cambridge. He has been Visiting Research Fellow at Fitzwilliam College, Cambridge; at the Daresbury Laboratory, Cheshire, UK; at Nanyang Technological University, China; and Leverhulme Visiting Professor at the University of Cambridge. He is Director of the Centre for Organic Electronics at the University of Newcastle, which he established in 2007.



Prof. Benjamin Eggleton, Co-Director, NSW Smart Sensing Network & Director, Sydney Nano Institute

Prof. Benjamin Eggleton is the Director of The University of Sydney Nano Institute. He also currently serves as Co-Director of the NSW Smart Sensing Network (NSSN). Benjamin was the founding Director of the Institute of Photonics and Optical Science (IPOS) at the University of Sydney and served as Director from 2009-2018. He was previously an ARC Laureate Fellow and an ARC Federation Fellow twice and was founding Director of the ARC Centre of Excellence for Ultrahigh bandwidth Devices for Optical Systems (CUDOS) from 2003-2017. Benjamin is a Fellow of the Australian Academy of Science (AAS), the Australian Academy of Technology and Engineering (ATSE), the Optical Society of America and IEEE. He is Editor-in-Chief of APL Photonics.



Prof. Justin Gooding, Co-Director, NSW Smart Sensing Network & Co-Director, Australian Centre for NanoMedicine, UNSW

Prof. Gooding is currently an ARC Australian Laureate Fellow, the co-director of the Australian Centre for NanoMedicine and the Co-Director of the New South Wales Smart Sensing Network. He is a Fellow of the Australian Academy of Science, the International Society of Electrochemistry, the Royal Society of New South Wales, The Royal Australian Chemical Institute and the Royal Society of Chemistry. Justin is the inaugural editor-in-chief of the journal ACS Sensors.



Prof. Subhas Mukhopadhyay, School of Engineering, Macquarie University

Prof. Mukhopadhyay holds a B.E.E. (gold medallist), M.E.E., Ph.D. (India) and Doctor of Engineering (Japan). He has over 30 years of teaching, industrial and research experience. Currently he is working as a Professor of Mechanical/Electronics Engineering at Macquarie University, Australia and is the Discipline Leader of the Mechatronics Engineering Degree Programme. Before joining Macquarie, he worked as Professor of Sensing Technology at Massey University, New Zealand.



Virtual Panel *continued*

Prof. Mary-Louise McLaws, World Health Organisation Advisory Board for Infection Prevention

Prof. McLaws is a member of the World Health Organization (WHO) Health Emergencies Program Experts Advisory Panel for Infection Prevention and Control Preparedness, Readiness and Response to COVID-19. For several years she was a short mission WHO Advisor to China and Malaysia for surveillance development. She collaborated with Beijing to review the response to the Severe Acute Respiratory Syndrome (SARS) outbreak and healthcare worker safety for the Hong Kong SARS designated hospital.



Dr. Sze-Yuan Ooi, Interventional Cardiologist, Prince of Wales Hospital

Dr Ooi is a clinician researcher with extensive clinical experience and expertise in the fields of coronary intervention and cardiac device implantation, including novel implantable cardiac device and remote monitoring technologies. His research interests include the pathogenesis of coronary atherosclerosis and the role of inflammation, coronary physiology, novel assessments of and modulation of the coronary microcirculation, new device technology and telehealth. In collaboration with Scientia Professor Nigel Lovell from the GSBmE UNSW and the Austrian Institute of Technology, Sze-Yuan has co-designed a novel mHealth platform called TeleClinical Care.



Prof. Bill Rawlinson, Director of Virology, NSW Health

Prof. Rawlinson is a clinician scientist researching viral pathogenesis, particularly respiratory viral infections, congenital infections, and enteroviruses in type 1 diabetes mellitus. He established, and oversees, serology and virology clinical research programs, state-wide transplant donor screening, and national quality programs for serology and biosecurity. He is conjoint professor at UNSW with over 400 publications and over 18,000 citations from his publications in basic research, diagnostic and clinical virology.



Prof. Tania C Sorrell AM, Director, Marie Bashir Institute for Infectious Diseases and Biosecurity

Prof. Sorrell is a Professor of Clinical Infectious Diseases and Director of the Marie Bashir Institute for Infectious Diseases and Biosecurity at the University of Sydney. She is Group Leader, Centre for Infectious Diseases and Microbiology at the Westmead Institute for Medical Research; and Service Director, Infectious Diseases and Sexual Health at the Western Sydney Local Health District. She has had a longstanding clinical interest in infections in immunocompromised patients and leads an Institute focussed on research into emerging infectious diseases. She is actively involved in clinical and research responses to the COVID-19 pandemic and is an Advisor to the NSW Ministry of Health on COVID-19.



If you have any questions, please contact

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