

NSW Smart Sensing Network

Frontiers in Sensing Forum 2020:

Smart Sensing for Bushfire Prevention, Response & Mitigation

Thursday 7 May 2020 | 3.00pm – 5.00pm

The 2nd annual NSSN Frontiers in Sensing Forum will be held virtually this year. The 2020 Forum will address the topic of smart sensing for bushfire prevention, response & mitigation.

Following the devastation of the 2019/20 Australian bushfires there is a renewed commitment to examining innovative solutions and technologies to prevent future catastrophes and ensure Australian communities are better prepared.

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

Speakers

Keynote

Mr Rob Rogers, Commissioner, NSW Rural Fire Service

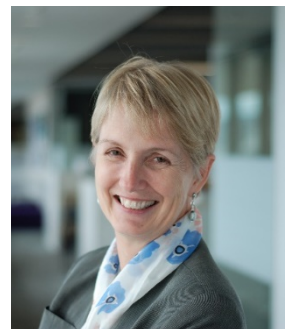
Mr Rob Rogers first became involved with the NSW Rural Fire Service in 1979 as a volunteer member of the Belrose Rural Fire Brigade, before being appointed Deputy Fire Control Officer for the Greater Taree District in 1995. Rob has held various executive roles in the NSW RFS since 2001, including responsibility for Regional Management, Community Safety and Operations. In 2011 he was appointed Deputy Commissioner. He represents the NSW Rural Fire Service on national and state bodies including: Chair of the Australian Fire Danger Ratings Board; Chair of the State Bush Fire Arson Taskforce; Chair of the Aviation Industry Reference Group and Aviation Advisory Committee; Co-chair of the Incident Management Road Safety Working Group; and Co-chair of the Joint Operations Taskforce. On 1st May 2020 he was appointed Commissioner.



Moderator

Dr Katherine Woodthorpe AO, Chair, Bushfire & Natural Hazard CRC

Dr Katherine Woodthorpe AO is an experienced Chair and Non-Executive Director serving for 20 years on the boards of a variety of organisations across a broad range of innovation-dependent industries including healthcare, renewable energy and environmental and climate science. She has been cited in various media as one of Australia's most influential people in innovation. She was a member of the Advisory Board of CUDOS and currently serves on a range of boards including Chairing Fishburners, the Bushfire and Natural Hazards CRC and the Antarctic Science Foundation.



Panel

Mr Andrew Gissing, Director, Risk Frontiers

Mr Andrew Gissing is a nationally recognised risk and resilience expert. He works with government, business and not-for-profits to make our communities safer. Andrew has over 15 years emergency management experience, including in senior executive roles. Andrew is an emergency risk management and resilience expert. He previously held the position of Deputy Chief Officer / Director Emergency Management and Communication with the Victoria State Emergency Service and, before joining Risk Frontiers, was the Director Enterprise Risk Management at the Department of Family and Community Services. Andrew holds Masters (Hons) of Science and Bachelors of Economics degrees, and is the author of some thirty journal and conference papers. He is a graduate of the Australian Institute of Company Directors and a certified business continuity practitioner.



Mr Matthew Riley, Director, Climate & Atmospheric Science, NSW Department of Planning, Industry & Environment

Mr Matthew Riley is a Science Director at the New South Wales Department of Planning, Industry and Environment. He has a proven track record of delivering policy ready environmental research and services that deliver significant public good. He has delivered multi-million-dollar programs in climate change impacts and adaptation, greenhouse gas emissions, air pollution, and energy and energy efficiency programs for the NSW Government that have led to significant benefits for the people and businesses of NSW. Matthew leads a team of climate and atmospheric researchers, technicians, programmers and analysts that study and observe the climate, urban air quality and meteorology, greenhouse gas emissions and energy systems of NSW.



Mr Adrian Turner, Lead, Minderoo Wildfire and Disaster Resilience Program

Mr Adrian Turner currently leads the Minderoo Wildfire and Disaster Resilience Program. He also co-chairs AustCyber and is building a new stealth venture. Prior to this Adrian was the founding CEO of CSIRO's Data61, the data and digital specialist arm of Australia's national science agency. Adrian spent 18 years in Silicon Valley and was co-founder of Borondi Group, co-founder and CEO of Mocana Corporation, had P&L responsibility for Philips Electronics connected devices infrastructure and was Chairman of the Board for Australia's expat network, Advance.org in a volunteer capacity. Adrian graduated from UTS and completed the Executive Program for Managing Growth Companies at Stanford University.



Dr Marta Yebra, Senior Lecturer in Environment & Engineering, Australian National University

Dr Marta Yebra is a Senior Lecturer in Environment and Engineering at the Australian National University and Earth Observation mission specialist of the ANU's Institute for Space. She is also a member of the Australian Space Agency's EO Technical Advisory Group and DELWP's Scientific Research Panel. Her main research focuses on using remote sensing data collected by sensors on the ground or on board of airborne or space platforms to provide accurate and timely information on vegetation properties that drive fire danger and therefore are essential for fire management decision making.



Ministerial address

The Hon. Matt Kean MP, NSW Minister for Energy & Environment

The Hon. Matt Kean is the NSW Minister for Energy and Environment, a portfolio that was first combined after the Berejiklian Government's re-election in March 2019. Matt was elected as the member for Hornsby in 2011. Prior to entering politics, Matt, a chartered accountant, worked as a senior manager for Price Waterhouse Coopers. In his new role as Energy and Environment Minister, Matt wants to ensure the community has access to energy that is affordable and reliable. He is also determined to tackle climate change and eager to leave the planet in a better state than the one we inherited.



Hosts

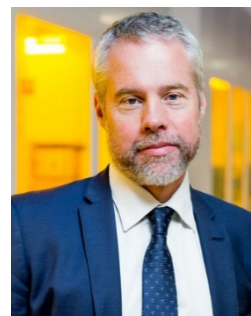
Dr Susan Pond AM, Board Chair, NSW Smart Sensing Network

Dr Susan Pond is a senior leader in business & academia, recognised for her national & international contributions in medicine, science & technology. Most recently, Susan was Director of The University of Sydney Nano Institute from Feb 2017 - May 2018. From 2010 - 2016, Susan worked in the field of renewable energy through her appointment at the United States Studies Centre at the University of Sydney. Susan is Adjunct Professor in Engineering & Information Technologies at the University of Sydney, Director of Biotron Limited, Vectus Biosystems Limited & Trusted Autonomous Systems Defence CRC, Chairman of the Australian Institute of Bioengineering & Nanotechnology.



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

Professor 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. Justin 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.

