



present

1st Australian Space



Cyber Forum

Adelaide Convention Centre - Riverbank
Tuesday, 10th October 2023



Forum Program

8.00	Registrations Tea and coffee on arrival	13.30	Q&A Expert Panel Cyberspace and Outerspace: between regulation and militarisation
8.25	Welcome MC Mrs. Paula Oliver Senior Manager, Cyber Security Strategy and Innovation, Critical Technologies, Government of South Australia, Department for Industry, Innovation and Science		Keynote speaker: Associate Professor Rodrigo Praino, Flinders University Cyberspace and outerspace are interdependent. As awareness of potential cyber threats to both public and private space assets become more widespread, space powers have started to incorporate these issues in national policies. This panel explores these issues in an Australian context, taking into account how cyber threats to space assets have been treated and regulated in recent years.
8.30	Hon. Susan Close MP, Minister for Defence and Space Industries	13.45	Facilitator: Mr. Marco Aliberti, Flinders University and European Space Policy Institute
8.40	Representative by Defence Space Command (TBC)		Ms. Clemence Poirer, European Space Policy Institute Professor Melissa de Zwart, Jeff Bleich Centre, Flinders University Dr. Jordan Plotnek, University of South Australia
8.55	Mr. Anthony Murfett, Head Division for the Technology and National Security in the Department of Industry, Science, Energy and Resources		
9.10	Mr. Reece Biddiscombe, Director National Missions, Australian Space Agency	14.30	Concrete case to solve: What if a cyberattack to space assets disrupts an election?
9.25	Mr. Ron Keen, US Dept Homeland Security (DHS) Senior Advisor-Space, National Risk Management Center (NRMCC) Cybersecurity and Infrastructure Security Agency (CISA)		Presented by: Dr. Kathryn Robison Hasani, Flinders University
9.45	Morning tea	15.00	Afternoon tea
10.30	Q&A Expert Panel Space Cyber – The increasing use of cyber attacks in the space domain Keynote Speaker: Dr. Daniel Floreani, CyberOps Many of the technologies we take for granted in the modern world are increasingly critically reliant on space-enabled mobility, positioning and timing services for their operation and security. However, the risks to the use of space are escalating as it becomes increasingly composed of commercial equipment and services that open it up to the same threats we increasingly face on the ground. The ongoing conflict in Ukraine has clearly demonstrated the need to consider the cyber security aspects of current and future space services in the next decade. The inclusion of Space into the Australian critical infrastructure landscape also brings responsibilities for more complex and frequent technical cyber assessments of space systems before, during and after launch.	15.30	Q&A Expert Panel Quantum in Space and its security impacts Keynote Speaker: Dr. Giuseppina Dall’Armi, Research Leader Electronic Warfare Operations Defence Science and Technology Group Quantum technologies will play an important role in the routine activities of life and have already shown vast impact in our economies (communication, computation, sensor, network etc). While quantum computing is making headlines, quantum sensing and quantum communication could reach the market earlier and potentially transform multiple industries concurrently. Quantum communication networks and cybersecurity technologies have potential application in diverse industries including telecommunications, finance, health, government, defence, infrastructure and space. All these sectors have a pivotal role in modern Australia and our everyday lives.
10.45	Facilitator: Professor Jill Slay, SmartSatCRC Mr. Gareth Willis, FUGRO CISO Professor Olaf Maennel, Tallinn University, Adelaide University Mr. Robert DiPietro, PWC, Australia Cybersecurity & Digital Trust Lead	15.45	Facilitator: Dr. Scott Martin, Acting Director, Quantum Technologies Future Science Platform CSIRO Dr. Vikram Sharma, CEO QuintessenceLabs Dr. David Gozzard, Senior Research Fellow International Space Centre University of Western Australia Dr. Fred Baynes, Research Group Leader at QuantX Labs
11.30	Concrete case to solve: Space missions, what steps do you need to take when preparing to launch? Presented by: Mr. Derek Grocke, CyberOps	16.30	Concrete case to solve: CSIRO - Growing Australia’s Quantum Communication Industry Presented by: Dr. Stephen Gensemer, Team Leader, Optical Systems Industrial Innovation Program, Manufacturing CSIRO
12.00	Lunch	17.00	Conclusion: Adjunct Professor Nicola Sasanelli AM, Chairman and Founder Agora High-Tech

New economies increasingly rely on secure space services, and cyber security represents a new challenge for governments and industries to deliver critical infrastructure services to the nation.

The Australian Space Cyber Forum will provide an excellent opportunity for Australian stakeholders to meet and network with key national and international space cyber experts. Participation in this forum is targeted at researchers, entrepreneurs, academics, private consultants, public employers, and others with an interest in the space and cyber sectors.

The first national edition of the Space Cyber Forum will contain a welcome introduction followed by international speakers and three specific panels. Each panel will include a discussion on approaches to solving real world issues to help organisations understand what the risks are and how to start to mitigate them, now and into the future.

Panel 1 'Space Cyber – The increasing use of cyber-attacks in the space domain', Keynote Speaker: Dr. Daniel Floreani, CyberOps Defence.

Panel 2 'Cyberspace and Outer Space: between regulation and militarisation', Keynote Speaker: Associate Professor Rodrigo Praino, Flinders University.

Panel 3 'Quantum in Space and its Security Impacts', Keynote Speaker: Dr. Giuseppina Dall'Armi, Research Leader Electronic Warfare Operations Defence Science and Technology Group.

Registration & Tickets

Please scan the QR Code to book your tickets.



The surplus funds of this conference will be used to foster an internship program at Flinders University in the area of Space Cyber.

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