



Sydney

30 May 2024

NSW Teachers Federation Conference Centre

ARCIA Critical Communications Conference

8.15am-8.50am REGISTRATION / TEA & COFFEE		
	Conference stream	Half-day workshop
9.00 am-9.30 am	ARCIA Market Update: Global Trends, Challenges & Opportunities Hamish Duff — <i>Managing Director, Mastercom; President, ARCIA</i>	Private LTE/5G – The Fundamentals of Technology and System Designs Simon Lardner — <i>Head of Wireless Business—Vocus</i>
9.30 am-10.00 am	Innovative Collaborations Solving Complex Connectivity Challenges Daniel Wright — <i>Director of Product Management, NSW Telco Authority</i>	
10.00 am-10.30 am	Spectrum for Wireless Broadband – An Update Andrew May — <i>Executive Manager, Spectrum Engineering</i>	
10.30 am-11.00 am MORNING BREAK		
11.00 am-11.30 am	The Future of Australian PSMB Kylie De Courteney — <i>Managing Director, NSW Telco Authority</i>	WORKSHOP Continues... Private LTE/5G – The Fundamentals of Technology and System Designs
11.30am-12 Noon	Considerations for the Transition to Hybrid PoC and Narrowband Operations David Deacon — <i>CEO, Etherstack</i>	
12 Noon-12.30 pm	Advancing Interoperability in Emergency Response Communications Paul Elmes — <i>Managing Director (Asia-Pacific), Tait Communications</i>	
12.30 pm-1.30 pm LUNCH BREAK		
1.30 pm-2.00 pm	International Critical Communications Directions and Progress Towards MCX Broadband Bidar Homsey — <i>Principal Consultant and Head of Business Development, Public Safety for FREQUENTIS AUSTRALASIA PTY LTD and Board Director Australasian Critical Communications Forum (ACCF)</i>	
2.00 pm-2.30 pm	What is TAK and Why Aren't We Using It? Matt Franks — <i>Senior Solutions Engineer, Hypha</i>	
2.30 pm-3.00 pm	Improving Radio and Accessory Design for Firefighters – A Challenge from the End User Tony Hine — <i>Assistant Operational Communications & System Officer for Fire & Rescue NSW</i>	
3.00 pm-3.30 pm AFTERNOON BREAK		
3.30 pm-4.00 pm	Human-centred design of control centres Russell Ockendon — <i>Executive Director, Control Centres Australia</i>	
4.00 pm-5.00 pm	Panel discussion: A Developing Critical Communications Landscape—The Challenges & Opportunities that come with New Technology and More Choice Hosted by: Chris Stevens — <i>Managing Director, CartGIS</i> Panel members: Hamish Duff, David Deacon, Kylie De Courteney, Matt Franks & Tony Hine.	
6.00 pm-10.30 pm ARCIA NETWORKING DRINKS/ DINNER		

The conference organisers reserve the right to make changes to the agenda at any time and without notice.

Visit <https://arcia.org.au/events/critical-communications-conference-sydney-may-2024/> for the latest speaker program.

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Available Industry Training by ARCIA: [Learn more >>](#)

Introduction to Radio Communications | 11-14 June, 2024

Trainer: Chris Stevens — Managing Director, CartGIS

10 hours | ARCIA Member = \$1160 +GST; Non-member = \$1450 +GST

This course introduces students to radio communication and associated technologies. Modules include an overview of radio service as a transmission media, how transmitters and receivers work, and an overview of wave propagation and radio antenna systems.

Microwave Engineering Masterclass

Trainer: Trevor Manning — Director, Trevor Manning Global

12.5 hours | ARCIA Member = \$1280 +GST; Non-member = \$1600 +GST

In this course, you will learn how to plan, design, and operate radio networks. At the end of this course, you will understand the overall microwave market with an update on current and future developments, including how to apply the latest planning standards.

Introduction to Digital Land Mobile Radio (LMR) Standards and Planning

Trainer: Chris Stevens — Managing Director, CartGIS

8 hours | ARCIA Member = \$1080 +GST; Non-member = \$1350 +GST

This course introduces the student to the digital LMR standards and technology. Modules include an overview of digital radio standards as a transmission media including the different standards, modulation, and vocoders.