

24 hr Global ROAR

Program of Presentations



Date	GMT	Presentation Type	Presenters & panelists	Position	Organisation	Title	UTC-6	UTC-3	UTC+1	UTC+2	UTC+8	UTC+11
	UTC						Denver	Santiago	London	Johannesburg	Beijing	Melbourne
8th / 9th October	9th October 00:10 am						8th Oct 18:10	8th Oct 21:10	9th Oct 01:10	9th Oct 02:10	9th Oct 08:10	9th Oct 11:10am
	0:10	Presentation	Jacqui Coombes	CEO	Amira Global	Welcome and introduction of Muster Chair: Andrew Scott	18:10	21:10	1:10	2:10	8:10	11:10
	0:30	Presentation	Andrew Scott	Principal Innovator	Symbiotic Innovations	The Exciting New Normal	18:30	21:30	1:30	2:30	8:30	11:30
	0:50	Presentation	Anil Subramanya	GM Enabling Futures	Amira Global	Colabs	18:50	21:50	1:50	2:50	8:50	11:50
	1:10	Presentation	Mike Lomman	General Manager Demand Chain	Roy Hill	Remote ops	19:10	22:10	2:10	3:10	9:10	12:10
	1:30	Presentation	Andrew Wilson	Head of Digital Teams	BHP	Digital Factories at BHP	19:30	22:30	2:30	3:30	9:30	12:30
10th October	1:50	Panel	Doug Bester, Penny Stewart, Hamish MacDougall	Chaired by Karen Sanders	Sentient Computing, Petra Datascience, FMG	3D Digital Twins and Virtual Environments	19:50	22:50	2:50	3:50	9:50	12:50
	2:10	Presentation	Mohamed Moniruzzaman	PhD Candidate	ECU	Challenges and Opportunities for Robotic Teleoperations	20:10	23:10	3:10	4:10	10:10	13:10
	2:30	Panel	Lina Velosa, Vicky Kent, Peter Canavan, Jo Walker-Smith	Chaired by Ty Theodore, South Metropolitan TAFE	NEXXIS, Rio Tinto, AI Group, South Metropolitan TAFE	Training in Future Technology	20:30	23:30	3:30	4:30	10:30	13:30
	2:50	Demonstration	Dave Lawie	Chief Geoscientist	IMDEX	Walking the BLASTDOG	20:50	23:50	3:50	4:50	10:50	13:50
	3:10	Presentation	Andrew Drager	Head of Development (Hybrid & Off-Grid)	Juwi Energy	Juwi Energy's solar PV renewable energy deployments in mining: control opportunities and challenges	21:10	0:10	4:10	5:10	11:10	14:10
	3:30	Presentation	Marcin Ziemski	Associate Professor	The University of Queensland	Mining energy and emissions opportunities with expanding remote operations and automation	21:30	0:30	4:30	5:30	11:30	14:30
	3:50	Presentation	Greg Roach	MD	Microsoft	In-stream health e-assays for plant control	21:50	0:50	4:50	5:50	11:50	14:50
	4:10	Demonstration	Sasha Krmeta	Principal Geologist	Boart Longyear Geological Data Services	TruScan- Real-time quality, consistency and productivity enhancements to the collection of geological data.	22:10	1:10	5:10	6:10	12:10	15:10
	4:30	Panel	Tom Goerke, Mark Majzner, Sue Keay	Chaired by Kate Brooks	Cisco, Razorlabs Australia, Queensland AI Hub	Working with corporates on their digital transformation journey	22:30	1:30	5:30	6:30	12:30	15:30
	4:50	Presentation	Fabian Kohlmann	Managing Director	Lithodat Pty. Ltd.	Building a cloud-hosted exploration data platform and its application	22:50	1:50	5:50	6:50	12:50	15:50
	5:10	Presentation	Doug Bester	Managing Director	Sentient Computing	Digital Twins for Remote Operations	23:10	2:10	6:10	7:10	13:10	16:10
	5:30	Presentation	Aseem Maroo	Project Manager	UWA	Living Lab Tour	23:30	2:30	6:30	7:30	13:30	16:30
	5:50	Presentation	Josh Horneman	Business Development Advisor	Blockhead Technologies	Interoperability Across Fuel Supply Chains	23:50	2:50	6:50	7:50	13:50	16:50
	6:10	Presentation	Luke Edwards	Data Specialist	Pawsey Supercomputing Centre	Accelerating scientific discovery through emerging technologies	0:10	3:10	7:10	8:10	14:10	17:10
	6:30	Presentation	Gareth Dean	Lead TAMM Project	METS Ignited	METS Ignited's Transformative Automation in Mining and METS program	0:30	3:30	7:30	8:30	14:30	17:30
	6:50	Demonstration	Ian Anderson	Sirovision and Studio Mapper Product Manager	Datamine	Using a Drone to Capture Images Suitable for the Creation of a 3D Model in a Mining Environment Open Pit	0:50	3:50	7:50	8:50	14:50	17:50
	7:10	Presentation	Shawn Hood	CTO	GOLDSPOT	Thinking about Machine Learning in Exploration Geoscience	1:10	4:10	8:10	9:10	15:10	18:10
	7:30	Presentation	Larin Allison	VP Global Revenue & Customer Success	TI Mining	TI Mining Aware: Online Situational Awareness through a 3D Digital Twin	1:30	4:30	8:30	9:30	15:30	18:30
	7:50	Presentation	Katrina Hosszu	Psychologist (Organisational) / Project Coordinator	Curtin University	Future Capability Lab: Achieving the Human Edge in the Digital Age	1:50	4:50	8:50	9:50	15:50	18:50
	8:10	Demonstration	Paul Shelley	VP Innovation	Molycop	P86 Sensor System Research Project	2:10	5:10	9:10	10:10	16:10	19:10
	8:30	Presentation	Mark Jessell	Professor/ Western Australian Fellow	Centre for Exploration Targeting	Automated map deconstruction for 3D model construction	2:30	5:30	9:30	10:30	16:30	19:30
	8:50	Presentation	Simon Waghorn	Regional Vice President- APAC	Newtrax	Underground Collision Avoidance Systems unlocking the full potential of Automation	2:50	5:50	9:50	10:50	16:50	19:50
	9:10	Panel	Nicholas Juber, Chris Eriksen, TBC	Chaired by Jacqui Coombes	TI Mining, Roy Hill, TBC	Could "Remote-in, Remote-out" replace "Fly-in, Fly-out"?	3:10	6:10	10:10	11:10	17:10	20:10
	9:30	Presentation	Colin Farrelly	Partner	Indago Partners	Digital Twins - Eating the Elephant	3:30	6:30	10:30	11:30	17:30	20:30
9:50	Presentation	Adele Seymon	Program Director	Amira Global	Amira Global Futures Programs	3:50	6:50	10:50	11:50	17:50	20:50	
10:10	Presentation	Robin Quittard	Project Manager	alergasoil	The use of IoT to measure, monitor and control vehicle fuel consumption	4:10	7:10	11:10	12:10	18:10	21:10	
10:30	Presentation	Navin Singh	Head of African Operations	Ramjack Technology Solutions	Realising Real Value through Real-Time Management	4:30	7:30	11:30	12:30	18:30	21:30	

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	10:50	Panel	Ross McAree	Chaired by Jacqui Coombes	UC,	Technology, Culture and Education: challenges and opportunities - a fireside chat	4:50	7:50	11:50	12:50	18:50	21:50
	11:10	Presentation	Solachi Haritz	Global Field Service Manager	SGS Minrals	Draft Survey Tool (DST) a safe, easy and accurate way to read the Vessel Drafts	5:10	8:10	12:10	13:10	19:10	22:10
	11:30	Presentation	Joe Cronin	Operations Manager	Australian Droid and Robot	TBC	5:30	8:30	12:30	13:30	19:30	22:30
	11:50	Presentation	Jacqui Coombes	CEO	Amira Global	Invisible Infrastructure	5:50	8:50	12:50	13:50	19:50	22:50
	12:10	Presentation	Elliot Duff	Principal Robotics Research Consultant	CSIRO	From the robot's point of view	6:10	9:10	13:10	14:10	20:10	23:10
	12:30	Presentation	Adrian Martinez	Senior Resource Geologist	CSA Global	Machine Learning - a tool for geologists	6:30	9:30	13:30	14:30	20:30	23:30
	12:50	Presentation	Doug Morrison	President and CEO	CEMI	Learning the Mine Production Process for Industry 4.0	6:50	9:50	13:50	14:50	20:50	23:50
	13:10	Presentation	Ed Wisniewski, Andrew Kostiuk	Director Technology, Creative Director / Studio Manager	NORCAT	The Future of Work and Learning	7:10	10:10	14:10	15:10	21:10	0:10
	13:30						7:30	10:30	14:30	15:30	21:30	0:30
	13:50						7:50	10:50	14:50	15:50	21:50	0:50
	14:10	Presentation	Ryan Siggelkow	Senior Vice President of Technology	HARD-LINE	The functionality and benefits of HARD-LINE's semi-autonomous TeleOp Assist	8:10	11:10	15:10	16:10	22:10	1:10
	14:30						8:30	11:30	15:30	16:30	22:30	1:30
	14:50						8:50	11:50	15:50	16:50	22:50	1:50
	15:10	Demonstration	Nader Elm	CEO & Co-Founder	Exyn Technologies	Pilotless Aerial Cavity Monitoring Robots for Underground Mining	9:10	12:10	16:10	17:10	23:10	2:10
	15:30						9:30	12:30	16:30	17:30	23:30	2:30
	15:50						9:50	12:50	16:50	17:50	23:50	2:50
	16:10	Presentation	Craig Milne	CEO	Copperstone Technologies	Using robots to enable humans to reach further, tread lighter and stay safer	10:10	13:10	17:10	18:10	0:10	3:10
	16:30	Demonstration	Lukas Zmejevskis		Pix Pro	3D Modelling Using Drone-Captured Footage with PixPro and Sirovision	10:30	13:30	17:30	18:30	0:30	3:30
	16:50	Presentation	Luciano Oliveria	Sr Principal, Strategy & Innovation	Stratalis Consulting	The Future of Tailings Dam Monitoring - An Integrated Systems Approach	10:50	13:50	17:50	18:50	0:50	3:50
	17:10	Presentation	Andra Key	Managing Director	Silicon Valley Robotics	Trends in Robotics	11:10	14:10	18:10	19:10	1:10	4:10
	17:30	Presentation	Claudia Diniz	Executive Director	Mining Hub	Open Innovation in the Brazilian Mining Sector	11:30	14:30	18:30	19:30	1:30	4:30
	17:50	Presentation	Andres Tovar	Vice President Business Development	AMOG Pty Ltd	Achieving Improved Asset Performance with Smart IoT Sensors	11:50	14:50	18:50	19:50	1:50	4:50
	18:10	Presentation	Heshan Fernando, Unal Artan	PhD Student	Queens University	Learning Material Classification for Autonomous Excavation	12:10	15:10	19:10	20:10	2:10	5:10
	18:30	Demonstration	Giobana Rossio Garcia Juarez	Consultant Geologist	Datamine	Next-Level Data Analysis with Sirovision Using Drone-Captured Footage and 3D Modelling	12:30	15:30	19:30	20:30	2:30	5:30
	18:50	Presentation	Mike Mayhew	Project Manager	GMG Group	BEV Technology and Rollout	12:50	15:50	19:50	20:50	2:50	5:50
	19:10	Presentation	Pieter van Schalkwyk	CEO	XMPRO	Insights on Digital Twins	13:10	16:10	20:10	21:10	3:10	6:10
	19:30	Presentation	Dan Isaacs	Vice President / Technical Director	Digital Twin Consortium		13:30	16:30	20:30	21:30	3:30	6:30
	19:50	Presentation	Dr. Sebnem Duzgun	Professor and Fred Banfield Distinguished Endowed Chair in Mining Engineering	Colorado School of Mines	Five Challenges of Automation in Mining	13:50	16:50	20:50	21:50	3:50	6:50
	20:10	Presentation	Gavin Yeates	Executive Director	Gavin Yeates Consulting	Realising benefits from Great Ideas	14:10	17:10	21:10	22:10	4:10	7:10
	20:30	Presentation	Shaun Chau	Director	Accenture	"Staying Ahead of the Game" An economist's perspective on a R&A Future	14:30	17:30	21:30	22:30	4:30	7:30
	20:50	Presentation	Laurent Ailleres	Professor	Monash University	LoopResources – reducing the mining footprint	14:50	17:50	21:50	22:50	4:50	7:50
	21:10	Presentation	Rick Valenta	Director W.H Bryan Mining & Geology Research Centre	Sustainable Minerals Institute	Compilation, visualisation and efficient online manipulation of massive exploration datasets	15:10	18:10	22:10	23:10	5:10	8:10

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	21:30	Presentation	Andres Mitnik	Business Director	Fundacion Chile	Digitalization Road Map for Mining 4.0 - conclusions and applications	15:30	18:30	22:30	23:30	5:30	8:30	
	21:50	Demonstration	Shawn Tansley	Managing Director	BIAS	Fire Fighting Robot	15:50	18:50	22:50	23:50	5:50	8:50	
	22:10	Panel	John Fennell, Ashley Brinson,,	Chaired by Clare Sykes	International Copper Association Australia, Brinson and Associates Pty Ltd ,,	Initiatives driving a lower emission future for Copper Upstream Processes & Zero Emission Coper Mine of the Future Report	16:10	19:10	23:10	0:10	6:10	9:10	
	22:30	Panel	Marcin Ziemski,,	Chaired by Clare Sykes	The University of Queensland,,	Adopting and Translating Emission Reduction Aspirations to an Operational Level	16:30	19:30	23:30	0:30	6:30	9:30	
	22:50	Panel	Laura Mottola,,	Chaired by Clare Sykes	Flow Partners,,	The application of Circular Lean Mining* to drive a lower emission copper future.	16:50	19:50	23:50	0:50	6:50	9:50	
	23:10	Presentation	Nigel Cook	Professor	The University of Adelaide	Developing Tools to Integrate the Entire Mining Value Chain by Using Machine Learning, Sensors and Data Analytics: Introducing the PRIF Industry Consortium	17:10	20:10	0:10	1:10	7:10	10:10	
	23:30	Presentation	Andrew Scott	Principal Innovator	Symbiotic Innovations	Final words	17:30	20:30	0:30	1:30	7:30	10:30	
	23:50	Presentation	Jacqui Coombes	CEO	Amira Global	Close	17:50	20:50	0:50	1:50	7:50	10:50	
	0:10	Close of the Muster						18:10	21:10	1:10	2:10	8:10	11:10