






Quick Look Conference Agenda

	<p>Registration: 8:00am - 4:30pm F23 Administration Building</p> <p>Collect your conference goodie bags and enjoy complimentary coffee/tea and breakfast bites Faculty of Science sponsored breakfast, by invitation in Level 5 Function Room</p>
<p style="text-align: center;">9:00 - 10:30 AM</p> <p style="text-align: center;">F19 Eastern Avenue Auditorium: Official Opening, Acknowledgement of Country, and Opening Plenaries <i>Master of Ceremonies</i> Professor Manjula Sharma and Professor Scott Sleep</p>	
	<p><i>Acknowledgement of Country</i> Professor Lisa Jackson Pulver AM, FRSN Professor of Public Health and Epidemiology Former Deputy Vice-Chancellor Indigenous Strategy and Services</p>
	<p><i>Opening Address</i> Pro-Chancellor and Fellow of Senate Dr Lisa McIntyre The University of Sydney</p>
<p style="text-align: center;">9:25 AM Plenary: Dr Karl Kruszelnicki, Julius Sumner Miller Fellow, The University of Sydney</p>	
	<p>Topic: Future Careers Synopsis: Science is probably the best possible 'mental toolbox' that you can have. It will let you change your career many times. Karl's fun, inspirational talk will cover five main areas in future careers in science, how this will affect students and become important in their future working lives. Careers discussed include Genetics, Engineering, basic Physics, Computer Science and the big one - your environment.</p>
<p style="text-align: center;">9:45 AM Plenary: Catherine Ball, Technology Futurist and Author</p>	
	<p>Topic: Empowering Students Through Human-Centered Innovation Synopsis: Emerging technologies are revolutionising the way we teach, but the essential spark of human creativity remains at the heart of meaningful learning. This presentation explores how educators can embrace the power of the 'human in the loop' to shape technology-driven classrooms and fostering meaningful real-world problem-solving among students. By focusing on collaborative inquiry, empathy, and purposeful experimentation, teachers empower students to define pressing challenges, iteratively refine solutions, and cultivate the creativity that fuels innovation. It's about knowing which tools are right for the job, and using them to best effect. Don't worry about AI: consider the systems theory of Dyads to be your next teaching assistance.</p>
<p style="text-align: center;">10:05 AM Plenary: Associate Professor Jennifer Way, The STEM Teacher Enrichment Academy, The University of Sydney</p>	
	<p>Topic: Promoting STEM Education in schools Synopsis: The University of Sydney STEM Teacher Enrichment Academy is an outreach program that has inspired hundreds of primary and secondary school teachers to enhance the STEM learning opportunities of their students. This presentation celebrates the amazing resourcefulness of teachers as well as highlighting some of the challenges they face in achieving cross-disciplinary collaboration and integration. Drawing on 10 years of the team's research, some evidence-based advice is offered for other educators who pursue STEM education opportunities for all students.</p>
<p style="text-align: center;">10:30 AM move to Stream venue for morning tea program within the stream</p>	

10:30 AM – 4:30 PM Stream program. Detailed agenda for each Stream available on the website of conference app			
These streams provide focused learning opportunities, highlighting innovative strategies and real-world applications to bring STEM concepts to life in the classroom. Each stream features field experts offering a combination of keynote presentations, workshops, and panel discussions – see the specific stream agendas for more details.			
Cross-curricular STEM J03 Engineering and Technology Precinct	Primary STEM F23 Administration Building	Secondary STEM Sibyl Centre, The Women's College	STEM Educational Leadership TAG Family Foundation Grandstand
Perfect for 7-12 TAS and Science educators looking to connect classroom learning with real-world applications. With leading academics providing in-depth and hands-on insights into cutting-edge research, this stream will equip teachers to inspire students through authentic, cross-disciplinary STEM learning that reflects the careers and challenges of the future.	Ideal for K–6 educators, this stream covers the use of practical tools and storytelling to deepen student engagement in STEM. Whether you're new to STEM or looking to build on your current practice, this stream offers hands-on ideas grounded in classroom success.	Tailored for 7–12 educators, this stream covers a diverse range of topics, from conservation and digital design to First Nations perspectives and curriculum-aligned strategies. This stream supports teachers to deliver engaging, real-world STEM learning that inspires students and connects with future-focused education priorities.	Designed for school and system leaders, this stream explores how to lead meaningful and sustainable STEM education reform. Sessions will focus on whole-school implementation and professional learning models. The stream includes keynote speakers, panel discussions and Q&A sessions.
10:30 – 11:10 AM Morning tea – served at each location			
11:10 AM – 1:00 PM Stream keynote presentations			
1:00 – 2:00 PM lunch – served at each location			
2:00 – 4:30 PM Stream workshops			
4:30 PM End of formal proceedings			

4:30 – 6:00 PM Optional activities (included in registration – please select which option you will attend on conference app)	
4:30 – 5:30 PM Engineering Tour (limited numbers) - Meet at J03 Engineering and Technology Precinct	
	Join us for a tour of the Engineering facilities at the University of Sydney. Please note numbers are limited for this tour.
4:30 – 6:00 PM STEM Festival Networking Event – TAG Family Foundation Grandstand	
	Chat with STEM professionals and your fellow colleagues over wine and cheese at this networking event sponsored by PIEFA.

6:00 – 10:00 PM Dinner – The Refectory Banquet Hall, The University of Sydney (additional registration required)	
	The day culminates with an exclusive Festival Dinner, a perfect opportunity to network and foster partnerships in an elegant setting. Presentation by Dr Karl Kruszelnicki
6:00 – 7:00 PM Pre-dinner drinks and canapes	
7:00 – 10:00 PM Dinner, including networking and presentations	