

Speaker 1:

Kayb ngalpa ngith mura, which in my language means good day, everyone. My name is Zipporah Corser Anu and I'm a proud Torres Strait Islander woman from Saibai Island in the Torres Strait. It gives me great pleasure to acknowledge the traditional custodians of the land on which we stand. We pay our respects to their elders past, present and emerging, and extend that respect to any Aboriginal and Torres Strait Islander people present today. The stars are our totemic spirits. May the star shine bright wherever you are and guide you all.

Adam Spencer:

Well, hello, ladies and gentlemen. Adam Spencer here coming to you from the Sydney Start-Up Hub, and I'm so excited to be your virtual MC for STEM 2021 - On-Demand Education for a Rapidly Changing World.

Adam Spencer:

Now STEM 2021 is a partnership initiative of the New South Wales Department of Education and brings together some of Australia's, indeed the world's, foremost experts on creativity, innovation, education and STEM.

Adam Spencer:

During this online and on-demand event, you will have a front row seat for our series of inspiring keynote addresses, informative ed talks, practical online workshops and real world case studies. What's more, they can be viewed at stem2021.com.au and access it any time over the year from the comfort of your own home, workplace or bedroom. Later in this video, I'll be setting the scene by talking with our conference coordinator, Dr. Scott Sleaf, and director of industry development of the New South Wales government, Ingrid Marsh. So stay tuned for that.

Adam Spencer:

Now we all know how important STEM education is in developing Australia's future workforce. It is critical that students learn to apply their knowledge and understandings, inquire into their world and learn to solve complex authentic problems in real world scenarios. We understand what an immense challenge this can be for our STEM educators. That's why STEM 2021 has been designed as an educational resource to equip you with the tools you can use in the classroom to provide education for a rapidly changing world.

Adam Spencer:

This is a subject that means so much to me, not just as a maths stick. I've said it too many times to count, this century will be built by mathematicians. Data, statistics, coding, the world of maths is exploding around us. But as the father of two young girls who are right in that sweet spot of the great cliché, most of the careers they will consider haven't even been invented yet. I'm fascinated to watch this space.

Adam Spencer:

My own father worked the one job for 40 years and three days. I don't mean he worked in the wine industry. I don't mean he worked at the one organization. He worked the one job for 40 years and three days. The only thing that changed was the make and model of car that he drove around delivering newspapers to news agents before the afternoon rush. You could not have a more pre-digital old world

job. My dad used to say, "I work in the media," and indeed he did. But as I said for my girls now in those high school years, considering what they might want to do with their lives, it is a world that's expanding so quickly, so rapidly, but clearly will have STEM skills at its core. That's why I'm so excited to be part of STEM 2021 On Demand.

Adam Spencer:

Now, if you want to know how to make the most out of STEM 2021, here we go. I'm here to show you around this amazing virtual conference. First, it's important to understand we've divided up the content into a suite of key industry verticals. They are STEM education, engineering, advanced manufacturing, aerospace, digital technology and cybersecurity, ag tech and food, surveying, med-tech and clean energy. Within each of these verticals, you'll find four types of resources available to you, keynotes, ed talks, workshops and case studies.

Adam Spencer:

Let's have a look at them. Keynotes. That's where we feature our most notable and foremost experts in their field. In their videos, they'll offer thought-provoking and inspiring perspectives on the future of their STEM field. Ed talks are more like TED Talk-style videos from industry, universities and government agencies contextualizing the sector and the important role it plays in the Australian economy. Workshops are where we will provide you with a unique opportunity to directly engage, learn first hand and collaborate with people working in that sector. Case studies are where we showcase the innovation, people, culture and future career paths of the companies working in that field.

Adam Spencer:

All of this amazing content will be available online and on demand at stem2021.com.au until the end of the year. If you're a STEM educator, take note, STEM 2021 was developed so that schools can utilize the content to design a STEM-based staff development day or a short-form professional development unit. So please take advantage of that.

Adam Spencer:

If you really want to make the most of STEM 2021, don't forget to connect and mingle with other event participants in our online networking lounge. The lounge is a forum, a great place to share ideas, ask questions and meet other like-minded individuals.

Adam Spencer:

Last but not least, I want to give a huge shout-out to our sponsors. They are all doing some amazing work to help promote STEM education, and they have some important services and products to show you. There are also some great offers for you to partake in. So please take some time to visit them at their virtual expo booth or on the sponsor's page to learn more.