

It Takes a Spark!

EDU Conference

Wednesday 26 May 2021 | TASMANIA

Be the Changemaker: STEM can take you anywhere!

The intent of the Conference is to bring together Students (Year 4 to 10) and their teachers to connect with inspiring industry role models for an immersive day of interactive STEM workshops. Participate in current school based activities and projects, create networks of teachers and student teams, and solve real life design challenges.

Teacher PD workshops from leading STEM experts, teachers and students on topics as diverse as

- >> Using Tasmanian mapping tools in your class
- >> Assessing and Leading STEM Learning
- >> Design Learning by Doing – Forest in a Box
- >> Creating Engaging Social Change STEM Projects
- >> The Journey to STEM
- >> Micro:bits supercharging STEM

Hands-on sessions for students and teachers, examples

- >> Deep Learning and Machine Vision
- >> Machine Vision on Lego!
- >> Creative Thinking and Low-Fi Prototyping
- >> Learning to Code, Coding to Learn
- >> Caring for Little Penguins in Sandy Bay
- >> Create. Remake. Innovate.
- >> Drones and Hydro Tasmania
- >> Use of Stop Motion Apps in the Science Classroom
- >> Fire Fighting with a Minecraft AI
- >> Robot Rubbish Run
- >> Data Delivering Drones
- >> Virtual Vision



Problem Solvers Sessions, including

- >> The Trouble with Transfer (and Tribbles)
- >> Future Seafood
- >> Submerged Structures and Submarines
- >> The Game Changer
- >> Cool the School: co-creating actions on climate change
- >> My House Rules

PLUS many more...



DR JENNIFER LAVERS

**Institute for Marine and Antarctic Studies,
University of Tasmania**

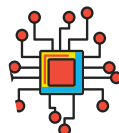
Dr Jennifer Lavers is a marine eco-toxicologist with expertise in seabird ecology and plastic pollution. The long term monitoring of seabird colonies has taken her to remote locations around the globe. She has worked for the Royal Society for the Protection of Birds and the US Fish and Wildlife Service in Hawaii and the Canadian Sub-Arctic. She coordinates community environmental activities for school groups and hosts dozens of science workshops and seminars every year. Ultimately, Jennifer hopes her research will contribute significantly to the responsible use of plastic products as well as the management of wildlife at risk from plastic ingestion across the globe.



DR STAS SHABALA

University of Tasmania

Dr Stas Shabala is a highly respected research scientist in his primary field of extragalactic astrophysics and is passionate about science participation and outreach. Stas is a strong believer in the power of science education and acknowledges the importance of his own science teachers to his highly successful career in science. Stas attended Taroona High School, Hobart College and the University of Tasmania before heading overseas to complete his PhD in astrophysics and cosmology at the University of Cambridge. He subsequently spent some time working at Oxford University, before returning to Tasmania to set up a theoretical astrophysics group at the University of Tasmania.



MORE INFORMATION: spark-educonferences.com.au/it-takes-a-spark-tasmania-2021/

Contact

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Registration & Bookings

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