

# 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...**

#### Outstanding Keynote Speakers

##### 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.

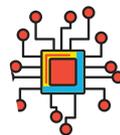


##### DR STAS SHABALA

**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/](http://spark-educonferences.com.au/it-takes-a-spark-tasmania-2021/)

#### Contact

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## FREQUENTLY ASKED QUESTIONS

**I'm a Primary School teacher - is this suitable for me?** Yes, the conference is suitable for students from Grade 4 through to Year 10 and teachers from both primary and secondary schools. We have mini-masterclasses for teachers as well as hands-on mini-workshops in which students and teachers collaborate at primary and secondary levels.

**Our school has only a very small budget for STEAM - are the workshops going to help us?** Yes, some of the workshops are purely paper based that develop thinking skills whilst others incorporate the use of free software available to schools. Our goal is for teachers and students to experience how simply they can begin authentic STEAM and entrepreneurial programs in their school.

**We don't have a STEM/STEAM program at our school, can we still attend? We are quite advanced in the implementation of STEAM in our school, is this suitable for us?** Absolutely! We have deliberately sought out activities that are applicable for the many stages that schools may be around enacting STEM/STEAM and Entrepreneurship. Whether you are just at the start or an expert we have a range of teachers and providers who will be presenting ideas and activities that will address your point of need. Our goal is have teachers connect and network with other teachers and take away lots of ideas to implement at your school.

**Do we have to submit/propose a workshop to run at the conference?** No. However, if you have something you think other students and teachers would like then we would love you to submit a proposal.

**We are looking for new and innovative ways to develop our students, will we be able to ask questions and find out what other schools are doing?** Yes – this was one of founding intentions for this conference. We want students and teachers to experience a variety of hands-on workshops so they can go back to their schools and infuse new ideas into their programs.

**Why are you recommending students to attend and how many can I bring?** We have found that the best exemplars of school based STEAM and Entrepreneurship programs in Australia are driven by both students and teachers. We want to spark student leadership in your schools. This is why we are suggesting to schools to bring anywhere up to 15 students to the conference. We have enough going on for over 250 people!

**What does my registration include?** Every student registration for the Conference includes attending keynotes and access to all activities /events / workshops and materials. Attending PD Teachers will receive a Professional Development Certificate of Professional Learning, access to all activities /events, keynotes, any master class sessions, workshops, presentation materials and notes, access to presenters and professional conversations. Price morning tea (half and full day conference) and lunch (full day conference only)

**I have a question about the conference** For general enquiries, please contact Rachel@spark-educonferences.com.au or call us on +61 0411270277

**Is my registration transferable?** Yes, your registration can be transferred to a colleague or student we ask that you provide all transfer details to us by contacting Rachel@spark-educonferences.com.au

**What is the refund policy?** 75% refund is available from 11 to 30 days prior to the event, after this date or for non-attendance refunds are not available and payment must be made in full. However, we will be pleased for you to transfer your registration to another attendee (see above). Sponsored and supported schools may differ. Please contact office@spark-educonferences.com.au to process this transfer.

**Cancellation of an event by us** In the event of insufficient applications, the programs will not proceed and registration monies will be fully refunded. In the event of the program being cancelled, registration monies only will be refunded as we will not accept liability for the payment of any other associated costs.

**Payment of registration** By submitting this form you are confirming that you have been given financial approval by the school/organisation to attend. All registration payments must be made prior to commencement.\*Early Bird rate must be paid by the invoice due date otherwise we reserve the right to re-invoice at the standard rate. \*\*Presenter fee (teacher/sponsor/guest) - students must still pay even if presenting.

**Student attendees:** You agree as your school representative teacher to take full responsibility of the students attending with you. We aim to ensure all presenters/facilitators have their WWCC and the event meets Occupational Health and Safety requirements.

**Privacy Policy** We promise to keep your information private at all times. We will not sell, pass on or by any other method share your information with a third party. We will store your information for the purpose of communication regarding the event and for methods required by you to use tools associated with this event. You will be added to our newsletter list for future events and correspondence, you are welcome to unsubscribe at any time.

**NOTE:** We will send emails prior to the workshop requiring you to take actions. This may include completing a short questionnaire to understand your current ability and needs, reading materials, accessing tools, setting up technical requirements, dietary requirements, and a reminder. Whilst we aim to keep these to a minimum your responses greatly assist in making the day more relevant to you.

**Seeking Sponsors!** The conference brings together students and teachers to create an inspiring future where a community happens. We want all schools to have access to events like this and your support can make that happen. Sponsors have the opportunity to deliver hands-on workshops, contribute to the conversations, help us keep our admission costs as low as possible and offer scholarships. We invite you to consider joining us as a sponsor. Please contact us at office@spark-educonferences.com.au

**Accessibility** We are committed to making our events as inclusive as possible. If you have additional accessibility requests, please contact us at office@spark-educonferences.com.au

**Media on Premises** As part of our ongoing commitment to empower students and teachers, we may photograph, video and audio record our events to share important discussions and experiences via our presentation content, so we can scale our reach to people who are unable to attend our events in person. By entering our event location during our event, you agree that Spark Education Conferences has the right to use your likeness, image, voice, etc. in photos, videos and in any educational, marketing, advertising or related endeavours relevant to the work. You will not be compensated in any way for the use of your likeness, image or voice, etc. Being on the premises during our event means that you release and hold harmless Spark Education Conferences from any claims or actions that arise as a result of this production. You may opt out at any time by letting us know.

**Thank you so much for your support and cooperation. We look forward to partnering you to create an inspiring conference.**