

# It Takes a Spark!

## EDU Conference

Friday, 15 November 2019

PERTH

### Teachers and Students are invited to attend a STEM Conference with a difference!

The intent of the Conferences is to ignite interest from many schools in STEM, particularly from students who aim to develop themselves and others in these subject areas. The conference brings together teachers and students with inspiring role models, industry innovators and universities for an immersive day of interactive STEM workshops.

### A different STEM EDU Conference...

- >> **Leading STEM teachers and students** share their current school based activities and projects.
- >> Our aim is to **ignite, empower and nurture student** leadership of STEM and Entrepreneurship in schools.
- >> **Teachers** have both formal and informal opportunities to speak to other teachers who have enacted programs and activities in their schools.
- >> **Hands-on** workshops and problem solvers design challenges - experience first-hand what it is like to be part of great STEM and entrepreneurial learning.
- >> Spark new ideas about curriculum and pedagogy.

### Attend if you are a...

- >> **Students Year 4 to 10:** who are already (or aspire to be) STEM Leaders in your school
- >> **Teachers:** those who have little experience in STEM and those who are looking to extend themselves.
- >> **Head of Learning Areas / Curriculum:** who wish to discuss how to create trans-disciplinary units that are powerfully engaging.
- >> **Principal and Deputy Principal:** to witness what is possible by embedding the Technologies Curriculum in your school.

### Outstanding Keynote Speakers!



#### DR KARI PITTS

**Senior Chemist and Mineralogist  
ChemCentre, Superstar of STEM**

Dr Kari Pitts is the Senior Chemist and Mineralogist in the Physical Evidence Team of ChemCentre's Forensic Science Laboratory. She holds a PhD and a Masters in Forensic Science from UWA, and a Bachelor of Science with Honours from Curtin University. Her expertise is analysing remnants of everyday life left at crime scenes; paint, glass, gunshot residue, soils, fibres, and anything else that isn't biological, a drug or radioactive. Dr Pitts has reported over 300 cases and given expert evidence in criminal trials in Australia and New Zealand.



#### DR LAURA KUHAR

**Research Team Leader CSIRO  
Superstar of STEM**

Dr Laura Kuhar is a research team leader in the CSIRO Minerals group. She is working towards the vision of a world with invisible mining operations - no expansive open-cut holes in the ground, no tailings dumps and slimes dams, no dust and no dangers posed to underground miners. Laura has a chemical engineering degree and holds a PhD in chemistry. Laura is passionate about enthusing children about science and believes that their interest has to be peaked at a young age to keep them involved.

MORE INFORMATION: [www.spark-educonferences.com.au/it-takes-a-spark-perth-2019/](http://www.spark-educonferences.com.au/it-takes-a-spark-perth-2019/)

#### Rachel Manneke-Jones

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#### Hosted by



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### About the conference...

We will have the brightest educators, organisations and students who are passionate about STEM lead either Teacher Oriented Mini-Master Classes and/or Student Oriented DigiDesign Mini Workshops. These sessions are short, sharp action packed with activities / communications. No waffle!

### Teacher PD mini-master classes from STEM experts, teachers and students focus on

- >> Embedding STEM into curriculum
- >> Showcase projects, eg app design, creativity, circular design
- >> Beginning to advanced teachers
- >> Brilliant PD and conference presenter(s)
- >> Share knowledge and create networks

### Hands-on digi-design sessions for students and teachers, designed for

- >> Students inspiring students
- >> Interactive, hands on STEM or entrepreneurial activities
- >> Students grow in confidence by sharing ideas / innovation
- >> Unique public speaking opportunity

### Problem Solvers Design Challenge

Past challenges vary from An Age Old Problem, Bee-pocalypse, TurtleGate, and supporting mobility impaired students to shine.

- Each session will have a different real life design or STEM challenge to solve aimed at Year 4 to 10 students.
- Schools, universities, industry, or community organisations to pose real life design challenges and lead student through the design process to ideate and present possible solutions.

**DO YOU KNOW  
A STAR STEM  
STUDENT,  
EDUCATOR OR  
INNOVATOR?**



**SUBMIT A WORKSHOP  
OR  
PROBLEM SOLVERS  
DESIGN CHALLENGE**

#### CONFERENCE STEERING COMMITTEE

Tim Rowberry: John Curtin College of the Arts  
Jacqui Butler: John Curtin College of the Arts  
Anna Davila: Iona Presentation College  
Adrian Bertolini: Intuyu Consulting

#### SUBMIT A WORKSHOP OR DESIGN CHALLENGE

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Call: +61 0 413 036 382  
More information visit the website

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MORE INFORMATION

[www.spark-educonferences.com.au/it-takes-a-spark-perth-2019/](http://www.spark-educonferences.com.au/it-takes-a-spark-perth-2019/)

**Contact**

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