

5 – 7 Oct 2016 | Deakin University, Waurn Ponds

<http://stemedcon.deakin.edu.au>

## What is STEM education? Exploring critical and practical perspectives

With the recent endorsement of STEM education as part of the 'National Innovation and Science Agenda' by the Australian Government, the challenge facing educators is how to meaningfully embed STEM-related knowledge, skills and dispositions in all levels of schooling and across all subjects. There is therefore a need to clarify what contribution STEM can make to education, and how STEM can be meaningfully and practically translated into curriculum and pedagogy, particularly in primary and secondary schooling.

Educators and researchers are becoming increasingly interested in investigating contexts that support students' learning in STEM, and what teaching approaches are most conducive for developing investigative, design and reasoning skills. Such debate and consideration of the value of STEM in education acknowledges the diversity of approaches that are emerging.

The STEM Education Conference will provide a space for celebrating this diversity by:

- ▷ **Unpacking the nature of and possibilities for STEM education for Australia and internationally**
- ▷ **Sharing best STEM education practices**
- ▷ **Promoting quality STEM education and cross curriculum links**
- ▷ **Exploring how STEM education can contribute to all young Australians becoming successful learners, confident and creative individuals, and active and informed citizens**

### The Conference will include:

- Keynotes
- Invited Presentations
- Workshops and Round-tables
- Paper and Poster Presentations
- Trade Show

### Key audiences:

- Early childhood, primary and secondary teachers
- All educators, especially science, mathematics, engineering design and digital technology teachers
- Curriculum and Teaching and Learning Coordinators, and Careers teachers
- University educators from education, science, engineering, mathematics and digital technology
- STEM industry representatives
- STEM education bodies
- Local, national and international STEM Centres

31 March	Call for submissions
29 July	Submissions for papers and posters
Early July	Advice on acceptance
5 Aug	Registration, early bird rate cut-off
4 Oct	Welcome reception and registration
5-6 Oct	Main Conference
7 Oct	Complimentary School visits