

# 2019 REGIONAL NSW FUTURE FOCUSED LEARNING (STEM) CONFERENCE

PROMOTING EDUCATIONAL EXCELLENCE IN A STEM ENRICHED WORLD

**Date:** 29th & 30th April 2019

**Time:** 8:00am - 3:35pm

**Location:** Crowne Plaza Hunter Valley

**More Information:** [www.stem-nsw.com.au/conference-2019](http://www.stem-nsw.com.au/conference-2019)

## OVERVIEW

The 2019 conference has an education focus on curriculum, pedagogy and skills development for a STEM enriched world. The two day event brings together leaders from primary, secondary and tertiary education, industry and government. It will provide delegates with practical knowledge and insights that will assist them to develop and implement their own future focused learning initiatives and stimulate thinking and discussions about the importance of STEM education. Keynote speakers, a Q&A panel and hands on workshops make up day 1, whilst the second day involves deep dives into your choice from a range of future focused learning areas including; curriculum development, STEM, cross-curriculum programming, math, science, coding & technology.

## NSW DEPARTMENT OF EDUCATION RURAL & REGIONAL SCHOLARSHIPS



The NSW Department of Education is providing up to 50 rural and regional scholarships for Department of Education employees to attend the conference. The scholarships include a two day conference package, networking event, two nights accommodation at the Crowne Plaza Hunter Valley and a travel contribution.

**APPLY:** [https://www.surveymonkey.com/r/stem\\_scholarship](https://www.surveymonkey.com/r/stem_scholarship)

## WHO SHOULD ATTEND?

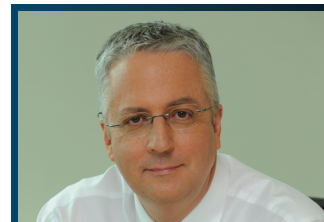
- Primary and secondary school teachers
- School and educational leaders
- University, TAFE and RTO's
- STEM experts in education and training
- Business and industry groups

## REGISTRATION

<https://www.regodirect.com.au/futurefocusedlearningconference/>

## EVENTS AND COSTS

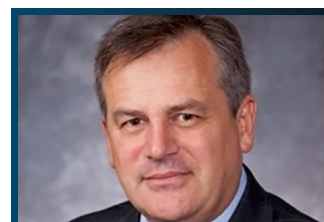
- Day 1 Conference 29th April \$250 + gst
- Day 2 Conference 30th April \$250 + gst
- Networking Cocktail Event \$80 + gst (4:45pm - 6:45pm)



**MARK SCOTT**  
AO Secretary of the  
NSW Department of Education



**PROFESSOR LISA HARVEY-SMITH**  
Astrophysicist and Australia's first  
Women in STEM Ambassador



**PROFESSOR ALEX ZELINSKY**  
Vice Chancellor & President  
The University of Newcastle



**JENINE BEEKHUYZEN**  
Tech Girls Movement

## MEDIA PARTNERS



S.I.S.P

SUPPORTED BY:



**Enquiries - Nikki Murphy**  
e: [nicola.murphy2@det.nsw.edu.au](mailto:nicola.murphy2@det.nsw.edu.au)  
ph: 02 4990 1977

## DAY 1: 29TH APRIL

**8.00am:** Delegate Registration

**9.00am - 10.55am:** Plenary Session

- Dr. Adam Spencer (Master of Ceremonies)
- Professor Lisa Harvey-Smith - Women in STEM ambassador (video address)
- Dr Alex Zelinsky - Vice Chancellor and President The University of Newcastle
- Sarah Chapman - STEM Ambassador Science & Technology Australia
- Mark Scott - Secretary NSW Department of Education
- Rob Stokes - NSW Minister for Education (TBC)
- Tim Kitchen - Adobe Education

**10.50am - 11.20am:** Morning Tea and Expo Time

**11.20am - 12.20pm:** Question and Answer Session

### PANEL

**Dr Alex Zelinsky** - Vice Chancellor and President The University of Newcastle

**Solange Cunin** - Project Director Generation STEM CSIRO

**Sarah Chapman** - STEM Ambassador Science & Technology Australia

**Sally-Ann Williams** - Google (TBC)

**Matthew Priestley** - Community Engagement Officer NSW Department of Education

**12.20pm - 1.20pm:** Lunch and Expo Time

**1.20pm - 2.20pm:** Breakout Hands on Session 1

**2.20pm - 2.35pm:** Short break for movement between sessions

**2.35pm - 3.35pm:** Breakout Hands on Session 2

**In each of the breakout sessions, delegates will choose 1 hands on session from the list of topics below:**

PBL Primary, PBL Secondary and PBL Transition K-8, STEM Projects, Digital Technologies K - 8, Adobe, Tech Mandatory, Careers of the Future, Green Screen, Primary Robotics, Indigenous STEM Perspectives, Science and Engineering Challenges, Entrepreneurship, Cyber Security, Drawing, Programming (Scratch and Python), WeDo Lego, Anki Cars, STEM Investigations and Design Sprint: Internet of Things.

**Updated workshop information available from:** [www.stem-nsw.com.au/conference-2019](http://www.stem-nsw.com.au/conference-2019)

## DAY 2: 30TH APRIL DEEP DIVES

**8.30am:** Delegate Registration

**9.00am - 3.30pm:** Deep Dive Session (Delegates Choose 1 Session from 13 Options) Sessions include; STEM with Math, Shift Happens, STEM program writing with DoE Curriculum team, Crack the Code, Anki Cars, Project Based Learning K-6, DNA Analysis with STEM Reactor, Cyber Security, GPS Cows, Tetrix Robotics, CSER PL in a Box, Microbits.



**Day 1:** 5 hours of PD APST 6.2.2

**Day 2:** Up to 5 hours of PD APST Various (Depending upon Workshop Choice)

## 2019 REGIONAL NSW FUTURE FOCUSED LEARNING (STEM) CONFERENCE

# AGENDA



**Dr. ADAM SPENCER**  
Conference Master  
of Ceremonies



**SARAH CHAPMAN**  
STEM Ambassador Science &  
Technology Australia



**SOLANGE CUNIN**  
Project Director Generation  
STEM CSIRO



**Eddie Woo**  
Leader Mathematics Growth  
Australia's Local Hero 2018

SUPPORTED BY:

S.I.S.P



**Enquiries - Nikki Murphy**  
**e:** [nicola.murphy2@det.nsw.edu.au](mailto:nicola.murphy2@det.nsw.edu.au)  
**ph:** 02 4990 1977