

8.40am - 10.00am | H1-44

Keynote Presentation

Empowering Learners for the Age of AI - *Professor George Siemens*

10.10am - 10.35am | Auditorium D1-20

Morning Tea

10.40am - 11.40am | Amy Wheaton (H) Building

Workshop Session 1

| Session | Title | Presenter/s | Room |
|---------|---|--|--------|
| 1.1 | Connecting Disciplines, Reflection and Earthquakes - Interdisciplinary STEM-Based Project | <i>Oliwia Derda & Natasha Williams, St Columba College</i> | H2-03 |
| 1.2 | STEM-M=#000000 | <i>Neil Davis, MASA</i> | H2-03A |
| 1.3 | Achievable, Meaningful and Impactful Assessment for Learning | <i>Danielle Lockwood, Westminster School</i> | H2-04 |
| 1.4 | Closing the vocabulary gap in science | <i>Katrina Elliott, SA Department for Education</i> | H2-04A |
| 1.5 | Analysing sound using student laptops | <i>Paul Gavini, Modbury High School</i> | H2-05 |
| 1.7 | Building successful and engaged junior secondary Mathematics learners | <i>Anna Beinke, Thomas More College & Ashley Evans, Edrolo</i> | H2-10 |
| 1.8 | Ishikawa Cause & Effect Workshop | <i>Teresa Janowski, Stem Fasttrack</i> | H2-11 |
| 1.9 | Connecting Sustainability to Student's Lives Across the Curriculum | <i>John Davison, Education Perfect</i> | H2-09 |

11.45am - 12.45pm | Amy Wheaton (H) Building

Workshop Session 2

| Session | Title | Presenter/s | Room |
|---------|---|--|--------|
| 2.1 | Ediacaran Fossils | <i>Trevor Stephenson, Seymour College & Sonya Arnold, Department for Education</i> | H2-03 |
| 2.2 | Mathematical Modelling of Penguin Behaviour | <i>Helen Booth, MASA</i> | H2-03A |
| 2.3 | Modelling STEM through Earth and Environmental Science | <i>Kelly Sharrad, Geoscience Pathways Project</i> | H2-04 |
| 2.4 | Engaging Students Through Real Astronomical Data | <i>Robert Hollow, CSIRO</i> | H2-04A |
| 2.5 | Serious games to teach science concepts | <i>Campbell Harvey & Dr Alix Verdon, ASMS</i> | H2-08 |
| 2.6 | Writing Maths Tests Years 7-10 | <i>John Absolon, Trial Exams</i> | H2-09 |
| 2.7 | From Content To Connections: Modelling Intentional Curiosity In Citizen Science | <i>James Tilly, Ocean Literacy Support Inc.</i> | H2-10 |
| 2.8 | Modelling: a bridge to integrated STEM | <i>Michelle McLeod, The University of Adelaide</i> | H2-11 |

Cancelled Sessions:

1.6 - **Do your own research**, *Ingo Koeper, Flinders University*

**12.45pm - 1.30pm | Auditorium D1-20
Lunch**

**1.50pm - 2.50pm | Amy Wheaton (H) Building
Workshop Session 3**

| Session | Title | Presenter/s | Room |
|---------|---|---|--------|
| 3.1 | How can maths take you to space? | Jules Potiki, ASMS | H2-08 |
| 3.2 | Numeracy Intervention | Stefania Pulford & Mike Jones, Thebarton Senior College | H2-03 |
| 3.3 | Modelling STEM: How to equip students with skills for jobs with a future | Claire Hughes, RiAus | H2-03A |
| 3.4 | Arduino programming - Beginners | Paul Gavini, Modbury High School | H2-05 |
| 3.5 | Could data save Humpty? A new approach to the classic egg drop. | Stuart Lewis, Scientrific | H2-04 |
| 3.6 | Body-based learning in STEM education | Jennifer Chalmers, University of South Australia | H2-04A |
| 3.7 | Authentic Investigations using Modelling | Dr Alix Verdon & Dr Matthew Verdon, ASMS | H2-09 |
| 3.8 | Student collected data helping scientists better understand local, regional and global environments | Bill Flynn, CSIRO Education and Outreach | H2-10 |

**2.55pm - 3.55pm | General Teaching Building
Workshop Session 4**

| Session | Title | Presenter/s | Room |
|---------|--|--|--------|
| 4.1 | Engineering a Monster? | Tisha Beasley & Kyran Zippel, ASMS | H2-08 |
| 4.2 | Modelling using First Nations Games | Rebecca Garrett & Desiree Gilbert, Trinity College & AISSA | H2-03 |
| 4.3 | Differentiation of Tasks in 7-10 Australian Curriculum Science | Jason Greenslade, Westminster School | H2-03A |
| 4.4 | Ediacara as a resource in Secondary Education | Tory Botha, University of Adelaide | H2-05 |
| 4.5 | 2+ ways of authentically assessing mathematics | Dr Matthew Verdon, ASMS | H2-09 |
| 4.6 | STEM approaches using Data Loggers | Stuart Lewis, Scientrific | H2-04 |
| 4.7 | Digital technologies in science and maths classrooms | Jennifer Chalmers, University of South Australia | H2-04A |
| 4.8 | Putting the T and the E in STEM | Alistair Knight, Thomas More College | H2-10 |

**3.45pm - 4.45pm | Auditorium D1-20
Happy Hour**

Access the Conference Resources:



Amy Wheaton (H) Building

