



## 2022 Senior Mathematics Day

(in person and online)

Tuesday, 29 November (Term 4 Week 9)



Queensland  
Association of  
Mathematics  
Teachers

Celebrating 100 Years

### Program

Note: the 2022 Senior Mathematics Day is running in conjunction with the UQ-STAQ Senior Physics Day. [Visit STAQ](#) for more information about the physics stream.

#### 9am Doors Open & Zoom Link Opens

light refreshments for in-person attendees  
*Physiology Building 63 Learning Theatre 348*

#### 9.30am Welcome

Dr Mary Rafter, President, STAQ &  
Paulina Sliedrecht, President, QAMT

#### Keynote: Looking for Exoplanets with the James Webb Space Telescope

Dr Benjamin Pope, School of Mathematics & Physics, UQ

**Mathematics Stream 1** proceed to *Andrew N Liveris Building 46 Collaborative Room 342*

#### 10.15am Statistics in Senior Mathematics

Dr Michael Bulmer, School of Mathematics & Physics, UQ

#### 11.05am Development, Delivery and Evaluation of Tertiary Preparation Mathematics Courses for Domestic and International Students

Dr Peter Schouten, UQ College

#### 12pm Lunch return to *Physiology Building*

#### 12.45pm Developing Student Capability with Mathematical Modelling

Professor Vince Geiger, Australian Catholic University and  
Honorary Professor Peter Galbraith, UQ

#### 1.50pm Lines and Planes

Wenbo Li, School of Mathematics & Physics, UQ

#### 2.10pm Knowledge Retention in Senior Mathematics through Interleaving Work and Space Revision

Dr Gareth Manson and Professor Peter Grootenboer,  
Griffith University

**Mathematics Stream 2** proceed to *Andrew N Liveris Building 46 Collaborative Room 343*

#### 10.15am QCAA Session 1 - Tips to enhance school practices in the Endorsement and Confirmation processes for examinations

Warren Richards, QCAA

#### QCAA Session 2 - Mathematics syllabus redevelopment

Evan Winter, QCAA

#### 12pm Lunch return to *Physiology Building*

#### 12.45pm Five Modelling Activities with Trigonometric Functions

Stephen J Broderick

#### 1.50pm Revision Techniques and How to Keep Students Engaged until the EA

Narelle Morris

#### 2.10pm Projectile and Circular Motion

Dr Sam Kault

#### 2.30pm Close

All are invited to attend the QAMT Annual General Meeting at 3pm.

### Registration

Please visit the Professional Development page on the QAMT website <https://qamt.qld.edu.au/professional-development/>.

### Parking on Campus

Parking on campus is not free. More specific instructions and a campus map will be provided in our event reminders. For more information: <https://campuses.uq.edu.au/information-and-services/parking-transport/parking/parking-at-uq>

### Zoom

We will be concurrently livestreamed using Zoom, for those who register for the online sessions only. Zoom links and more detailed joining instructions will be sent to you as event reminders via the email you provide upon registration.