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AustMS 2023

67th Annual Meeting of the
Australian Mathematical Society



AustMS 2023
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This is the 67th Annual Meeting of the Australian Mathematical Society

A brief program schedule is provided here. For more detailed information, including the conference timetable, please refer to the conference web site austms2023.smp.uq.edu.au.




We thank our sponsors, The University of Queensland School of Mathematics and Physics, Optiver, the Sydney Mathematical Research Institute and the QUT School of Mathematical Sciences for making this conference possible through their generous financial support.




Plenary Speakers	<ul style="list-style-type: none">Peter Bartlett UC Berkeley, USAHolger Dullin University of Sydney [ANZIAM Lecturer]Camillo De Lellis Institute for Advanced Study, Princeton, USAEleonora Di Nezza Sorbonne University, France [Hanna Neumann Lecturer]Poh Wah Hillock The University of QueenslandTakashi Kumagai Waseda University, JapanSarah Peluse University of Michigan, USA [Early Career Lecturer]	<ul style="list-style-type: none">David Ridout University of Melbourne [ANZAMP Lecturer]Marcy Robertson University of MelbourneColva Roney-Dougal University of St Andrews, UKJason Sharples UNSW Canberra [Dr Yunupingu Lecturer]Guofang Wei UC Santa Barbara, USAStephen Wright University of Wisconsin, USA
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Special Sessions	<ul style="list-style-type: none">Algebra and CombinatoricsApplied and Industrial MathematicsCategory Theory, Homotopy Theory and K-theoryComputational MathematicsDiscrete GeometryDynamical Systems and Ergodic TheoryEquity, Diversity and Inclusion in MathematicsFunctional AnalysisGeometric AnalysisHarmonic Analysis	<ul style="list-style-type: none">Mathematical PhysicsMathematics EducationModern Techniques in Financial MathematicsNumber TheoryOptimisationPartial Differential EquationsProbability and Mathematical StatisticsRepresentation TheoryStochastic Differential EquationsTopology
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Monday Dec 4		
6:30pm	Women in Mathematics Special Interest Group (WIMSIG) Dinner	Customs House, 399 Queen St, Brisbane City
Tuesday Dec 5 – Conference Day 1		
8:00am	Welcome Desk and Registration	AEB* (49) Foyer
9:00am	Conference Opening and Prizes	AEB (49) Room 200
11:00am	 MORNING TEA	AEB (49) Foyer
11:30am	Plenary Talk – Sarah Peluse <i>Arithmetic patterns in dense sets</i>	AEB (49) Room 200
12:30pm	 LUNCH BREAK	
12:45pm	Sponsor Presentation: Optiver	AEB (49) Room 200
1:30pm	Special Sessions	Various Locations
3:30pm	 AFTERNOON TEA	AEB (49) Foyer
4:00pm	Special Sessions	Various Locations
5:30pm	Plenary Talk – Camillo De Lellis <i>Area-minimizing integral currents: singularities and structure</i>	AEB (49) Room 200
6:30pm	WELCOME DRINKS	AEB (49) Foyer

*AEB = Advanced Engineering Building

Wednesday Dec 6 – Conference Day 2		
8:30am	Welcome Desk and Registration	Abel Smith (23) Foyer
9:00am	Plenary Talk – Holger Dullin <i>On the stability of the 3-body problem</i>	Abel Smith (23) Room 101
10:00am	 MORNING TEA	Union Complex (21) Holt Room
10:30am	Plenary Talk – Colva Roney-Dougal <i>Counting groups</i>	Abel Smith (23) Room 101
11:30am	Plenary Talk – Peter Bartlett <i>Benign overfitting</i>	Abel Smith (23) Room 101
12:30pm	 LUNCH BREAK	
12:30pm	LGBTQIA+ and Allies Lunch	Priestley Building (67) Level 2
1:30pm	Special Sessions and Education Afternoon	Various Locations
3:30pm	 AFTERNOON TEA	Union Complex (21) Holt Room
4:00pm	Special Sessions and Education Afternoon	Various Locations
5:30pm	Plenary Talk – Poh Hillock <i>Transforming first year mathematics: opening doors to success</i>	Abel Smith (23) Room 101
6:30pm	AustMS Student Meeting	Abel Smith (23) Room 101

Thursday Dec 7 – Conference Day 3		
8:30am	Welcome Desk and Registration	Abel Smith (23) Foyer
9:00am	Plenary Talk – Eleonora Di Nezza <i>Ricci-flat spaces: one of the building-blocks of the Universe</i>	Abel Smith (23) Room 101
10:00am	 MORNING TEA	Union Complex (21) Holt Room
10:30am	Plenary Talk – David Ridout <i>In which Physics demands new Mathematics</i>	Abel Smith (23) Room 101
11:30am	Plenary Talk – Takashi Kumagai <i>Anomalous random walks and scaling limits: from fractals to random media</i>	Abel Smith (23) Room 101
12:30pm	 LUNCH BREAK	
12:45pm	Sponsor Presentation: Optiver	Abel Smith (23) Room 101
1:30pm	Special Sessions	Various Locations
3:30pm	 AFTERNOON TEA	Union Complex (21) Holt Room
4:00pm	Plenary Talk – Jason Sharples <i>Modelling dynamic fire propagation and extreme bushfire development</i>	Abel Smith (23) Room 101
5:00pm	AustMS AGM	Abel Smith (23) Room 101
6:00pm	CONFERENCE DINNER (drinks served from 6:00pm and food at 7:30pm)	Hillstone, Golf Links, Carawa Street, St Lucia

Friday Dec 8 – Conference Day 4		
8:30am	Welcome Desk and Registration	Abel Smith (23) Foyer
9:00am	Plenary Talk – Marcy Robertson <i>Proped up homotopy theory</i>	Abel Smith (23) Room 101
10:00am	 MORNING TEA	Abel Smith (23) Foyer
10:30am	Plenary Talk – Guofang Wei <i>Fundamental gap of convex domains in space forms and surfaces</i>	Abel Smith (23) Room 101
11:30am	Plenary Talk – Stephen Wright <i>Optimization in theory and practice</i>	Abel Smith (23) Room 101
12:30pm	 LUNCH BREAK	
1:30pm	Special Sessions	Various Locations
3:30pm	 AFTERNOON TEA	Abel Smith (23) Foyer
4:00pm	Special Sessions	Various Locations
6:00pm	The Conference Concludes	

Additional Information



WIFI

UQ Guest is a free public wireless internet service for guests supporting UQ activities and events.

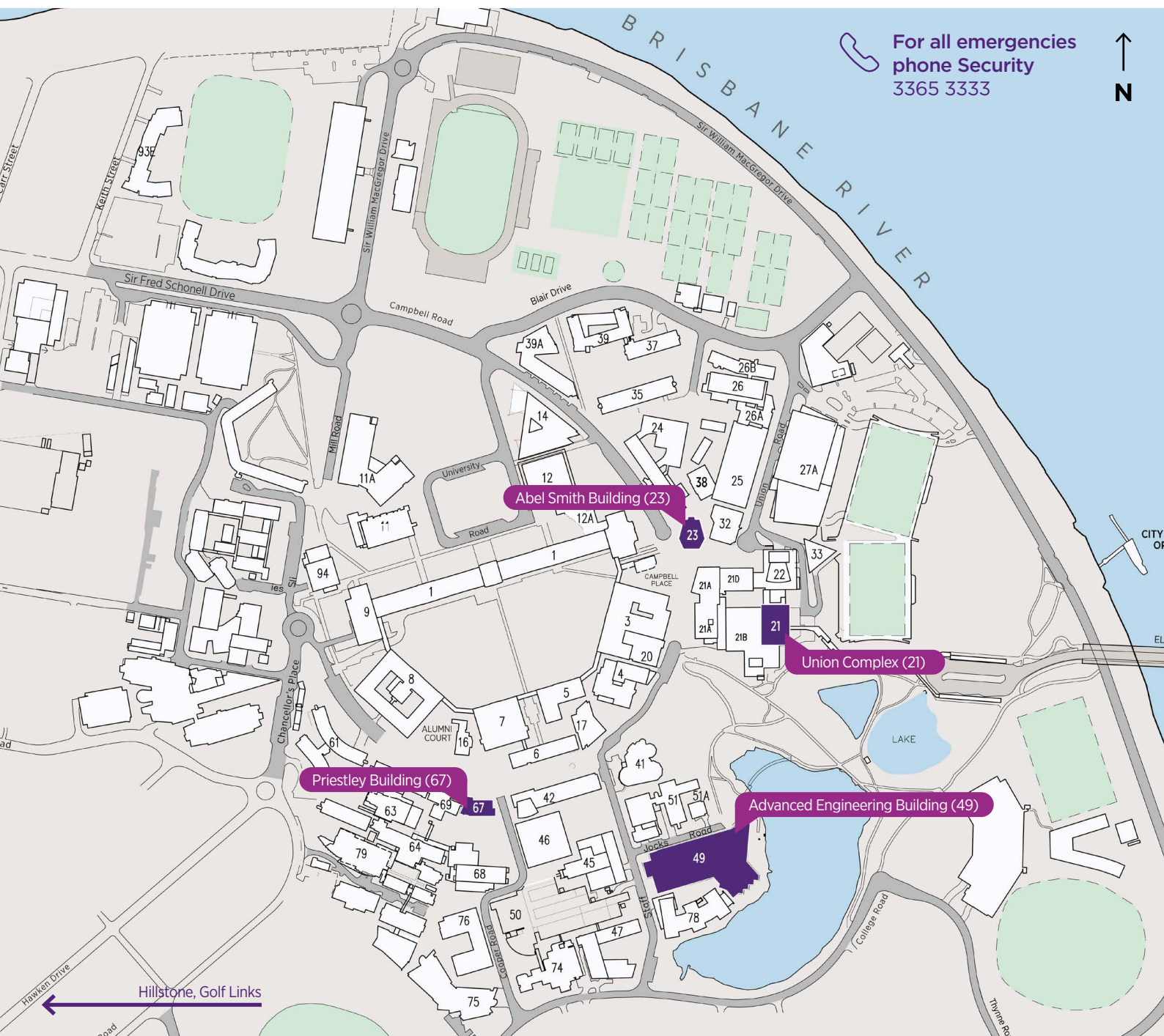
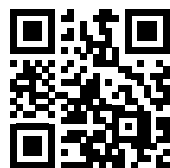
Guests can connect to the network by signing in with their Gmail, Facebook or LinkedIn accounts.

Eduroam is available on campus.



UQ Map

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