

2025 Australia-New Zealand Ultrafast Spectroscopy Symposium

- Duration of presentation: Keynote - 60 mins, Invited & Contributed- 30 mins.
- All times above include Q & A.

Thursday 13th Feb, AHMS Bldg, Rm 1059A/B

8:30 – 9:15	Registration
9:15 – 9:30	Welcome and opening remarks

9:30 – 10:30	Session 1 Chair: Tak Kee, University of Adelaide
Invited	Alex Stuart, University of Sydney <i>Transient absorption of organic semiconductor microcavities</i>
Contributed	Simon Durst, University of Bayreuth <i>Fluorescence-Detected Two-Dimensional Electronic Spectroscopy of a Single Molecule</i>

10:30 – 11:00	Morning Tea/Coffee
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11:00 – 12:30	Session 2 Chair: Alex Stuart, University of Sydney
Invited	Jeff Davis, Swinburne University <i>How Ultrafast Spectroscopy Can Help to Understand High-Temperature Superconductivity</i>
Contributed	Euca Brooks, University of Queensland <i>Photophysics of Y6 Crystals</i>
Contributed	Zane Peterkovic, University of Adelaide <i>Photon counting cameras for low-light biological imaging of autofluorescence using ultrafast lasers</i>

12:30 – 13:30	Lunch
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13:30 – 15:15	Session 3 Chair: Euca Brooks, University of Queensland
Invited	Paul Shaw, University of Queensland <i>Elucidating the roles of the acceptors in organic solar cells with a ternary blend</i>
Invited	Jack Muir, CSIRO <i>Butterfly Polaritons</i>
Contributed	Andrew Dolan, University of Adelaide <i>Photo-induced Singlet Dissociation in High Performance Organic Photovoltaics</i>
Invited	Sponsors

15:15 – 15:45	Afternoon Tea/coffee
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15:45 – 17:15	Session 4 Chair: Paul Shaw, University of Queensland
Invited	Evan Moore, University of Queensland <i>Time Resolved Adventures in the Visible and Infra-Red</i>
Contributed	Rees Hughes, University of Melbourne <i>Origins of Trap Emission in CdSe Quantum Dots</i>
Contributed	Zi Goh, University of Adelaide <i>Size-Dependent Photocatalytic Activity of Organic Semiconducting Nanoparticles</i>

18:00 – 21:00	Symposium Dinner, The Cathedral Hotel, North Adelaide <i>For registrants who have RSVP'd.</i>
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Friday 14th Feb, AHMS Bldg, Rm 1059A/B

8:30 – 9:30	Registration
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9:30 – 10:30	Session 5 Chair: Tak Kee, University of Adelaide
Keynote	Prof Stefan Maier, Monash University <i>Emergence and ultrafast optical modulation of optical resonances</i>

10:30 – 11:00	Morning Tea/Coffee
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11:00 – 12:30	Session 6 Chair: Evan Moore, University of Queensland
Invited	Timothy Schmidt, UNSW <i>Ultrafast Spectroscopy for Singlet Fission and Upconversion</i>
Contributed	Harrison McAfee, University of Adelaide <i>Evolving Hydrogen Gas Using Triplet Excitons of An Organic Photocatalyst</i>
Invited	Issac Etchells, University of Queensland <i>Probing Singlet Fission in Phenyl Diketopyrrolopyrrole Dimers with Transient Absorption Spectroscopy</i>

12:30 – 13:30	Lunch
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13:30 – 14:30	Session 7 Chair: Issac Etchells, University of Queensland
Invited	Yasuhiro Tachibana, RMIT <i>Charge carrier dynamics of photo-functional semiconductor films in correlation with their device performance</i>
Invited	Trevor Smith, University of Melbourne <i>Ultrafast Spectroscopy and Microscopy of Thin Film Materials</i>

14:30 – 14:45	Symposium close and prize ceremony
14:45 –	Departure/Lab visit