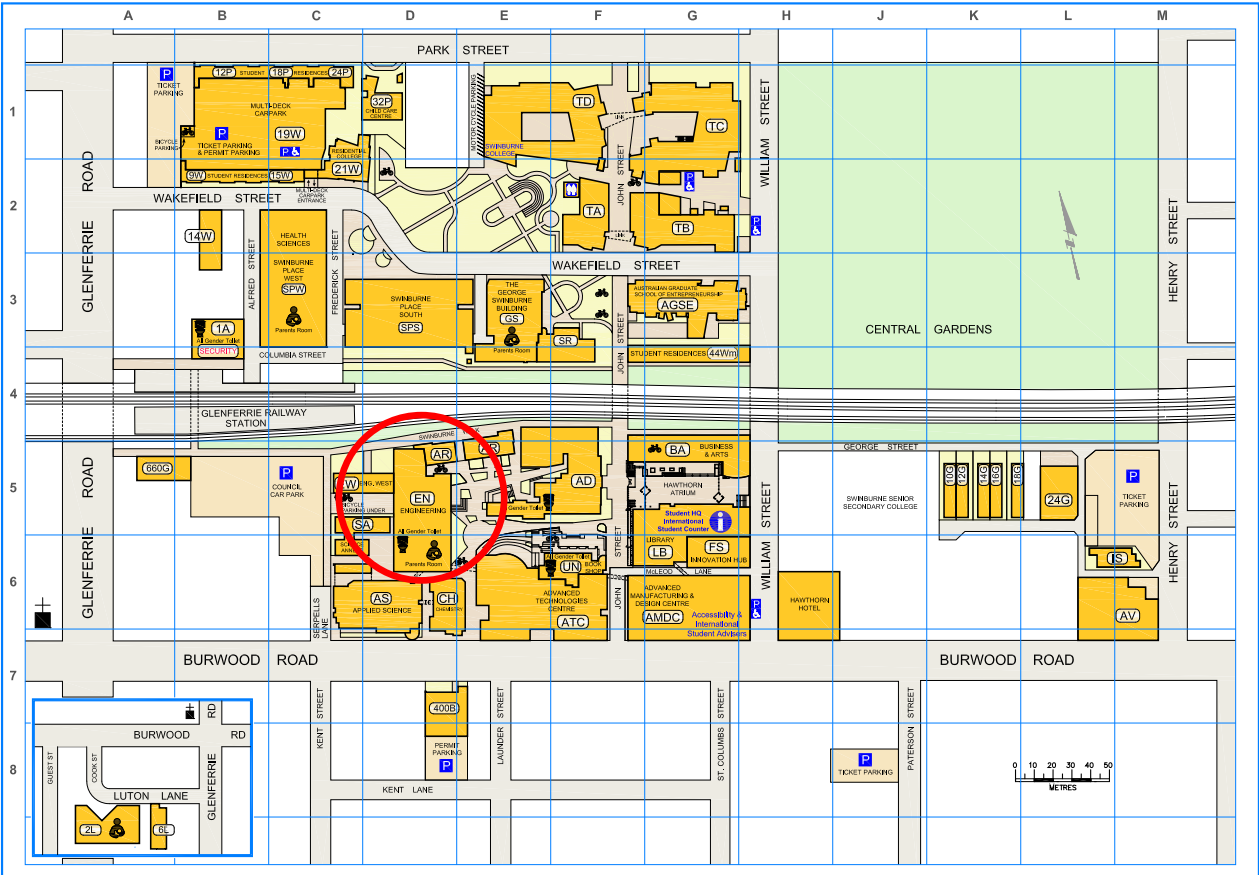


Venue

The venue will be theatre EN203



Dinner will be at: Beer DeLuxe, Hawthorn, 329 Burwood Rd., Hawthorn, 3122

Program

10 February MONDAY

10:00 – 10:25 Morning tea

10:25 – 10:30 Opening remarks

Session 1, Chair: Jeff Davis

10:30 – 10:55, Justin Hodgkiss, Ultrafast optical probes of excitonic materials: case studies in organic semiconductors and metal halide perovskites

10:55 – 11:20, Christopher R. Hall, Probing structure and function in photoactive molecular motors and switches with ultrafast transient vibrational spectroscopy

11:20 – 11:45, Saghar Masoomi, Liquid crystallinity as a self-assembly motif for singlet fission materials

11:45 – 12:35, Gregory D. Scholes, Interplay of quantum vibrations during an ultrafast electron transfer reaction

12:35 – 13:35, Lunch

Session 2, Chair: Chris Hall

13:35 – 14:00, Ron Steer, Singlet fission: to see or not to see, that is the question

14:00 – 14:25, Ben Xinzi Zhang, Superposition reaction: excited-state proton transfer on two coupled sites

14:25 – 14:50, Jeff Davis, Multi-dimensional coherent spectroscopy

14:50 – 15:15, Paul Shaw, Understanding the photo-physical properties of fluorescent chemical sensors

15:15 – 15:45, Afternoon tea

Session 3, Chair: Kyra Schwarz

15:45 – 16:10, Isabella Wagner, Gating ultrafast emission spectra and dynamics by transient grating photoluminescence spectroscopy

16:10 – 16:35, Evan G. Moore, Using a sledgehammer to crack a nut: ultrafast studies of sensitised lanthanide luminescence

16:35 – 17:00, James A. Hutchison, Ultra-fast studies of light-matter strong coupling

17:00 – 17:25, Stuart Earl, Pulse duration effects on Floquet-Bloch states in monolayer transition metal dichalcogenides

17:25 – 17:50, Yasuhiro Tachibana, Transient absorption and emission spectroscopies to develop solar energy conversion devices

17:50 – 23:59, drinks and dinner at Beer Deluxe (329 Burwood Road, Hawthorn)

11 February TUESDAY

Session 4, Chair: Tak Kee

09:00 – 09:25, Xiaoming Wen, Slowed cooling of hot carriers in hybrid perovskites

09:25 – 09:50, Patrick Tapping, Two-dimensional electronic spectroscopy using rotating optical flats

09:50 – 10:15, Eliezer Estrecho, Spectroscopy of high-density exciton-polariton condensates

10:15 – 10:40, Jessica de la Perrelle, 2D electronic spectroscopy of TIPS-pentacene and development of a flexible data analysis framework

10:40 – 11:10 Morning tea

Session 5, Chair: Patrick Tapping

11:10 – 11:35, Paul J. Low, Shining a light on conjugated compounds and complexes

11:35 – 12:00, Agustin Schiffrin, Ultrafast control of electrons in materials with the electric field of light

12:00 – 12:25, Shyamal Prasad, The ultrafast (and a bit slower) characterisation of singlet fission and triplets using absorption and photoluminescence

12:25 – 12:50, Jonathan Tollerud, Femtosecond covariance spectroscopy

12:50 – 13:50 Lunch

Session 6, Chair: Trevor Smith

13:50 – 14:15, Kyra Schwarz, Nanoscale capacitor-like charge build-up in an organic bulk heterojunction

14:15 – 14:40, Egle Bukarte, Tracking energy and electron transfer in biological systems using two-dimensional electronic spectroscopy

14:40 – 15:05, Laszlo Frazer, Using visible transient absorption and excitons to measure phonon kinetics

15:05 – 15:30, Trevor Smith, Ultrafast transient absorption microscopy

15:30 - 15:35 Closing remarks