

FLEET LEGACY WORKSHOP PROGRAM

@FLEETcentre | #FLEETlegacy

WEDNESDAY 29 NOV Chair: Tich-Lam Nguyễn

8:30	Lunch & Registration
9:00	Jinger! Michael Fuhrer
9:30	Plenary - The oases and mirages of the quantum future: Kavan Modi
10:30	Tea break

Chair: Agustin Schiffrin

11:15	Portfolio - Industry Relations Committee: Tich-Lam Nguyễn
11:35	Light-transformed materials theme report: Kris Helmerson
11:55	RT3: Quantifying exciton interactions strength and charge transfer rates in TMDC heterostructures: Mitchell Conway
12:10	RT3: Modelling topological excitations in atomic spinor Bose-Einstein condensates: Matthew Edmonds
12:25	Lunch - Restaurant

Chair: Julie Karel

14:00	Exciton superfluid theme report: Elena Ostrovskaya
14:20	RT2: Reservoir-induced linewidth broadening of exciton-polariton laser: Bianca Fabricante
14:35	RT2: Polaron-polariton in a dark excitonic medium: Kenneth Choo
14:50	Topological materials & enabling technology themes report: Alex Hamilton
15:10	RT1AB: The superconducting diode effects: Muhammad Nadeem
15:25	RT1AB: Etch-less micropatterned epitaxial graphene via 2D and 3D site-selective growth: Francesca Iacopi
15:40	Group photo Tea break
16:30	Poster presentations - Miami/Wavebreak
18:00	Get some fresh air Stretch out Breath deeply Meditate Smile
18:30	Dinner - Surfers/Currumbin

THURSDAY 30 NOV Chair: Michael Fuhrer

9:00	Plenary - The case for semiconductor manufacturing in Australia: Steve Duvall
10:00	Portfolio - FLEET Translation Program: Matthew Davis, Michael Harvey, Julian Ceddia, David Cortie
10:30	Tea break

Chair: Kris Helmerson

11:15	Keynote - Observation of anisotropic superfluid density in an artificial crystal: Ian Spielman
11:45	RT2 & 3 - Overview of THz-TDS results: Gary Beane
12:00	Panel - Got PhD, What Next? Unveiling the FLEET Journey: Alumni Wafa Afzal, Abigail Goff, Patjaree Aukarasereenont, Peggy Zhang . Facilitated by Tich-Lam Nguyễn
12:50	Lunch - Restaurant FLEET Executive Committee Meeting - Burleigh

Chair: Mark Edmonds

14:20	Portfolio - Diversity & Equity Committee: Jeff Davis
14:40	RT2: Resonant exciton-exciton annihilation of interlayer dark excitons in atomically-thin TMDs: Yi-Hsun Chen
14:55	RT2: Non-Hermitian quantum geometric tensors in an exciton-polariton system: Yow-Ming (Robin) Hu
15:10	RT2: Rabi oscillations and magnetization of a mobile spin-1/2 impurity in a Fermi sea: Brendan Mulkerin
15:25	RT1AB: Flat band induced by non-collinear antiferromagnetism in two-dimensional CoBi_2Te_4 : Ziyuan Zhao
15:40	RT1 & 3: Non-Onsager quantum magnetic oscillations: Zeb Krix

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FRIDAY 1 DEC Chair: Matthew Davis

9:00	Plenary - Quantum science and technology at CSIRO: Chris Vale
10:00	Keynote - Photoemission electron microscopy and momentum microscopy of 2D TMDCs: Sarah Harmer
10:30	Tea break

Chair: Oleh Klochan

11:15	Keynote - Towards quantum electronics and optoelectronics with individual point defects in 2D semiconductors: Bent Weber
11:45	RT1 & 2: Liquid metals: An ideal platform for the synthesis of two-dimensional materials: Patjaree Aukarasereenont
12:00	RT1 & 2: Liquid metal chemistry: Dynamic equilibria for the solid metal - liquid metal interface: Caiden Parker
12:15	Portfolio - Outreach: Agustin Schiffrin
12:35	Portfolio - Education & Training: Susan Coppersmith
12:55	Lunch - Restaurant

Chair: Golrokh Akhgar

14:25	Portfolio - Communications: Kirily Rule & Errol Hunt
14:45	RT1AB: Electric field-induced motion of polar topological defect in epitaxially strained BiFeO_3 thin film: Sukriti Mantri
15:00	RT2 & 3: Robust, low-threshold polariton condensates in spin-coated perovskite microcavities: Mitko Oldfield
15:15	Portfolio - FLEET Legacy: Tich-Lam Nguyễn
15:35	Closing & Awards: Michael Fuhrer

16:30 BUS TRANSFER TO OOL



CASH PRIZES FOR BEST POSTERS!

Three **\$200 cash** prizes for the three best posters – People's Choice – Voting line opens from 5 PM on Wednesday 29 Nov 2023 and closes at 2 PM on Friday 1 Dec 2023.

Scan the **QR code** to access OR go to: PollEv.com/FLEETlegacy
Please choose ONE poster from the list, if you wish to change your vote, simply revisit the site on the same device, delete your previous vote and select another choice.