

# 13th Annual Conference of The Flinders Institute for Nanoscale Science & Technology

Date: Wednesday 12th of June 2024 at Flinders University Tonsley Building, 1284 South Road, Clovelly Park

Flinders Tonsley, Adelaide				
TIME	Session 1 - Flinders Tonsley (Theatre 1)	Name	Mode	Comment
8:50-9:15	Registration/name badge collection - ground floor outside Tonsley Theatre 1 (G42)	Nano team	In Person	
9:15-9:30	Welcome and Conference Opening (Theatre 1)	Prof. Mats Andersson	In Person	
9:30-10:00	Exploring phase transitions in magnetic topological insulators (25 min + 5min)	Dr. Mark Edmonds, Monash University	In Person	Chair: Sarah Harmer
10:00-10:15	Electrifying Insights: Exploring the Oxidative Reactivity of Alkoxyamines (12 min + 2min)	Dr. Jiao Yu Wang	In Person	
10:15-10:30	Alumina-forming alloys for corrosion prevention (12min + 2min)	Alex Griesser	In Person	
10:30-10:45	Earth's magnetic field effect on fluid flow (12min + 2min)	Zoe Gardner	In Person	
10:45-11:15	Morning Tea Break - 30 min (Room 1.01_1.02_1.03)	Break	Break	Break
TIME	Session 2 - Flinders Tonsley (Theatre 1)	Name	Mode	Comment
11:15-11:45	Microplastics and us in a changing climate (25 min + 5min)	Prof. Fay Couceiro, University of Portsmouth, UK	In Person	Chair: Gunther Andersson
11:45-12:00	Ionic Effect on Electrochemical Behavior of Water-Soluble Radical Polyelectrolytes (12min + 2min)	Dr. Yanlin Shi	In Person	
12:00-12:15	The hopes and perils of researching microplastic pollution in Australian oceans (12min + 2min)	Elise Tuuri	In Person	
12:15-12:30	New S-S metathesis reactions for recyclable polymers (12 min + 2min)	Dr. Harshal Patel	In Person	
12:30-1:30	Lunch Break - 60 min (Room 1.01_1.02_1.03)	Lunch	Lunch	Lunch
TIME	Session 3 - Flinders Tonsley (Theatre 1)	Name	Mode	Comment
1:30-2:00	Rational Design of Photocatalysts: Energy and Environment (25 min + 5min)	Dr. Cameron Shearer, University of Adelaide	In Person	Chair: Mats Andersson
2:00-2:15	Analysis of microplastics from the Black Sea (12min + 2min)	Dr. Anastasiia Snigirova	In Person	
2:15-2:30	Fishing for viruses (12min + 2min)	Mayisha Ahmedullah	In Person	
2:30-2:45	Amorphous donor polymers for organic photovoltaics and photocatalysts (12min + 2min)	Dr. Caroline Pan	In Person	
2:45-3:00	Formation of surface passivation layers on pyrite (FeS <sub>2</sub> ) for acid and metalliferous drainage control (12min + 2min)	Dr. Gujie Qian	In Person	
3:00-3:30	Afternoon Break - 30 min (Room 1.01_1.02_1.03)	Break	Break	Break

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TIME	Session 4 - Flinders Tonsley (Theatre 1)	Name	Mode	Comment
3:30-4:00	Polymer based Triboelectric nanogenerators : Revolutionizing Clean Energy for a Green Future (25 min + 5min)	Prof. Honey John, Cochin University of Science and Technology, India	In Person	<i>Chair: Martin Cole</i>
4:00-4:45	<p>1. Polymer lenses for thermal imaging - Justin Chalker</p> <p>2. Stability and Cleansing Function Enhancement of Organic Shampoo - Xuejiao Cao</p> <p>3. Optimizing X-ray Emitters - Ingo Koeper</p> <p>4. Nano Microplastics Research Consortium – Needs, Opportunities, Partners - Melanie MacGregor</p> <p>5. CRC TiME - Improved prediction, remediation and closure of AMD/NMD sites - Sarah Harmer</p> <p>6. Next Generation Green Hydrogen - Gunther Andersson</p>	<p>1. Prof. Justin Chalker</p> <p>2. Xuejiao Cao</p> <p>3. Prof. Ingo Koeper</p> <p>4. A/Prof Melanie MacGregor</p> <p>5. Prof. Sarah Harmer</p> <p>6. Prof Gunther Andersson</p>	In Person	
4:45-5:45	<p>Poster Judging Session (with refreshments) in Room 1.01_1.02_1.03</p> <p>* Research leaders and invited judges vote for Student Poster Trophy. All attendees vote for People's Choice Poster Award</p>			
5:45-6:15	<p>* <b>Poster and Networking Session Continues</b></p> <p>Poster Discussions, Including Food &amp; Drinks</p>	<i>Everyone</i>	<i>In Person</i>	
6:15-6:30	<p>* <b>Awards session</b></p> <p>Plus more time to eat, drink, socialize and network.</p>			
	<i>Member help tidy up - much appreciated!</i>			