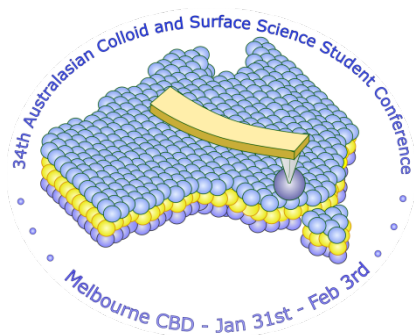




34th AUSTRALASIAN COLLOID AND SURFACE SCIENCE STUDENT CONFERENCE



CONFERENCE HANDBOOK

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Welcome to ACSSSC 2023

We would like to welcome you to the 34th Australasian Colloid and Surface Science Student Conference in Melbourne, Victoria. Given the interruption of the last few years, we are delighted with the diversity of delegates from numerous research institutes who are able to attend this year. We aim to provide a positive and respectful environment for everyone and encourage all students to utilise this opportunity to exchange the latest updates in their research and network with their peers.

We would also like to extend a special welcome for our distinguished plenary speakers: Dr Xuan Wu from the University of South Australia, and Professor Patrick Spicer from the University of New South Wales.

Our generous sponsors have also made a big part of this conference possible and we sincerely appreciate their support.

We value your attendance and hope you experience all that is offered. Welcome, and we hope that you enjoy ACSSSC 2023.

From the ACSSSC Committee;

Professor Tamar Greaves, Dr Aaron Elbourne, Professor Marta Krasowska, Dr Saffron Bryant, Dr Christine Browne and Dr Joe Berry.

Origin of the ACSSSC

In 1967, Bob Hunter and Tom Healy started the tradition of the Australian Colloid and Surface Science Student Conference. These conferences have provided postgraduate students of colloid and surface science with an opportunity to present and discuss their research in an informal, supportive and friendly atmosphere.

Previous Conferences

No.	Date	Location	State	Delegates	Presentations
	31 Jan 2023	Melbourne CBD	VIC	138	85
	31 Jan 2022	Online	Adelaide		
	28 Jan 2020	Churchill	VIC	117	86
	31 Feb 2018	Warrnambool	VIC	98	87
	30 Feb 2016	Kioloa	NSW	89	66
	29 Feb 2014	Ballarat	VIC	98	65
	28 Feb 2012	Newcastle	NSW	100	62
	27 Feb 2010	Adelaide	SA	133	64
	26 Feb 2008	Warrnambool	VIC	137	70
	25 Feb 2006	Beechworth	VIC	131	79
	24 Feb 2004	Sunset Cove	QLD	116	74
	23 Sept 2002	Lake Hume	NSW	114	66
	22 Feb 2001	Bendigo	VIC	110	64
	21 Sept 1999	Morpeth	NSW	143	78
	20 Feb 1998	Hahndorf	SA	141	84
	19 Sept 1996	Murramarang	NSW	118	74
	18 Feb 1995	Fairy Meadow	NSW	185	86
	17 Feb 1993	Geelong	VIC	144	72
	16 Sept 1991	Roseworthy	SA	118	66
	15 Jan 1990	Camden	NSW	87	45
	14 Aug 1988	Albury	NSW	107	48
	13 Feb 1987	Kioloa	NSW	55	36
	12 Feb 1985	Roseworthy	SA	49	28
	11 May 1983	Yarrawood	VIC	51	30
	10 Feb 1982	Mt. Eliza	VIC	70	32
	9 May 1980	Kioloa	NSW	45	25
	8 Nov 1978	Yarrawood	VIC	53	27
	7 Sept 1977	Melbourne/ Blackwood	VIC/SA	34	18
	6 May 1976	Canberra	ACT	33	20
	5 Nov 1974	Sydney/ Woy Woy	NSW	39	21
	4 May 1973	Melbourne/ Blackwood	VIC/SA	30	-
	3 Feb 1972	Sydney	NSW	-	10
	2 Aug 1970	Melbourne	VIC	14	12
	1 May 1968	Sydney	NSW	-	-
	0 May 1967	Melbourne	VIC	(informal meeting)	

Code of Conduct

The ACSSSC committee welcomes diversity and seeks to provide an environment that is free from discrimination, vilification, harassment, bullying, victimization and is characterized by respect. All attendees are subject to the anti-harassment policy. All presenters should ensure that they do not use sexualized images, activities, or other material. We do not tolerate harassment of participants in any form, and in any instance of participants violating the code of conduct, the conference organizers may take any action they deem appropriate, including warning the offender, cutting short their presentation, or expulsion from the conference (with no refund). If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact one of the conference organisers or a member of the Equity and Diversity Committee (<https://acis.wildapricot.org/Diversity>) immediately.

We value your attendance and appreciate your active support in making our conference an inclusive and welcoming experience for all attendees.

Emergency Contact

Emergency phone number in Australia is 000.

For all other concerns or enquiries please contact:

Saffron Bryant	0418669594
Aaron Elbourne	0429995698

Security

Security officers are available at the RMIT campus 24/7. Call +61 3 9925 3333 (Emergency) or +61 3 9925 3895 (Non-emergency) from any phone.

Annual General Meeting

The Annual General Meeting (AGM) of ACIS is a friendly get together, an opportunity for the Society to report on activities for the year, encourage suggestions for the coming year, and elicit involvement of members in the work of the Society. It is your chance to get to know your fellow colloid scientists, and to influence directly how your community operates. Everyone is strongly encouraged to come along!

This year's AGM will be held at 4.30pm on the 2nd of February in the conference room.

Courtesy

As a courtesy to all delegates, mobile phones and other electronic devices must be turned to silent or switched off during all sessions.

Accommodation

Due to the location of the conference, accommodation must be organised by individual delegates and is not included as part of the registration fee.

Location and Registration

The Pre-Conference Workshop will be held at Melbourne University on the 31st of January.

The remainder of the conference will be held from the 1st to the 3rd of February in the Kaleide Theatre at RMIT University (360 Swanston Street, Melbourne).

The registration desk will be located in the foyer just outside of the Kaleide theatre.

Detailed instructions including images of the conference location can be found online: <https://acis.wildapricot.org/acsssc34/venue>

Transportation

From Melbourne (Tullamarine) airport, it is easiest to catch either a taxi/uber or the SkyBus into the CBD. These are located directly outside of the airport terminals.

Travel within Melbourne is easy with the tram network. RMIT University sits within the *Free Tram Zone*.

Car parking can be limited within the CBD, see RMIT's website for information on parking options: <https://www.rmit.edu.au/about/our-locations-and-facilities/facilities/parking-on-campus>

Smoke-free

RMIT University proudly provides a smoke-free environment on all its campuses. Smoking areas are available off-campus.

Privacy

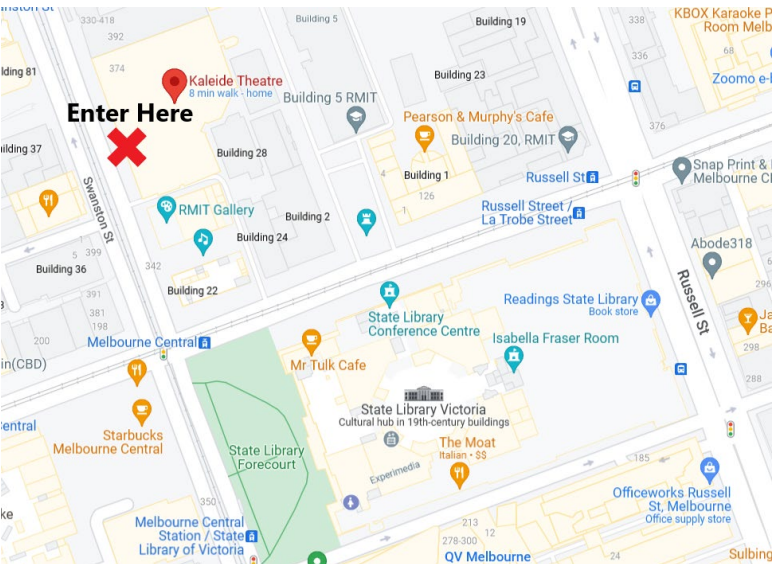
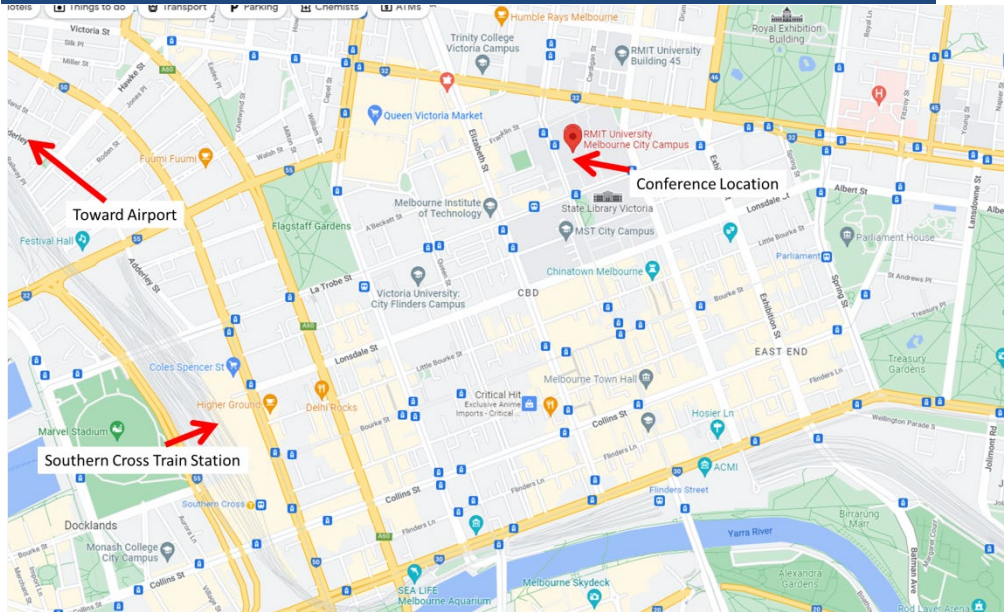
ACSSSC Committee will gather and record personal information necessary for your attendance at the conference. Personal information will be gathered, stored and disseminated in accordance with the National Privacy regulations.

Consent to Use of Photographic Images: Registration and attendance at, or participation in ACSSSC 2023 and associated social events constitutes an agreement by the registrant to ACSSSC's use and distribution (both now and in the future) of the registrant or attendee's image or voice in photographs, videos, electronic reproductions and audiotapes.

Disclaimer

Whilst we have endeavoured to ensure all information is accurate, all details provided are subject to change at any time. ACSSSC accepts no responsibility for the content of the presentations within the program.

Maps



Information for Presenters

Oral Presentations will take place between Wednesday 1st and Friday 3rd of February 2023.

Those presenters not using their own computer to present should provide a copy of their presentation to the Registrations Team upon arrival at the conference, allowing our team time to load and test your presentation.

1st Year PhD Talks

Each talk will have a 10-minute time allocation; 8 minutes for the presentation and 2 minutes for questions and presenter changeover. Please be respectful of this time allocation so the conference can run on schedule. Please ensure that you check the time of your talk carefully, so you do not miss your session.

General Talks

Each talk will have a 15-minute time allocation; 13 minutes for the presentation and 2 minutes for questions and presenter changeover. Please be respectful of this time allocation so the conference can run on schedule. Please ensure that you check the time of your talk carefully, so you do not miss your session.

ECR Talks

Each talk will have a 10-minute time allocation; 8 minutes for the presentation and 2 minutes for questions and presenter changeover. Please be respectful of this time allocation so the conference can run on schedule. Please ensure that you check the time of your talk carefully, so you do not miss your session.

The *Poster Session* will take place on Wednesday 1st of February from 4.15pm, just outside of the lecture theatre. Presenters are encouraged to place their posters on the provided boards upon arrival at the conference (adhesives will be provided). In-person posters should be A0, in **portrait** format.

Conference Awards

Hunter-Healy Award

The *Healy-Hunter Award* honours the founders of the Australasian Colloid and Surface Science Student Conference; Professor Tom Healy (The University of Melbourne) and Professor Bob Hunter (University of Sydney), who first organised such a conference in 1967. The conferences have been held regularly since this time. Students enrolled at an Australian university are eligible candidates for this award.

ACIS/ECIS Award

The *ACIS/ECIS Award* will also be presented, honouring a reciprocal relationship between the Australasian Colloids and Interface Society and its European counterpart. It provides funding for the winner to attend an international conference.

Oral Presentation and Poster Prizes

Oral Presentation and Poster prize winners will be determined on the basis of the scientific content and quality of presentation, as judged by the academic participants. 1st, 2nd and 3rd place in both categories will receive \$250.

Highlights

Rooftop BBQ and Games - February 1st January

An informal rooftop BBQ will be held from 6pm at RMIT University, on top of Building 80. *Further information on how to get there will be provided during the conference.*

This is an excellent opportunity to network and get to know other members of the society. There will be great food (catering to many dietary requirements) and drinks.

Conference Dinner – February 2nd January

The conference dinner will be held from 6.30pm at the Oxford Scholar (427 Swanston Street, Melbourne).

Plenary Lectures

Dr. Xuan Wu – The University of South Australia

Presentation Title: Interfacial Solar Steam Generation and Applications.



Bio: Dr Xuan Wu is a Research Fellow with Future Industries Institute, University of South Australia. Her research focuses on the design and development of photothermal materials and evaporation systems for their applications in seawater desalination, wastewater evaporation and atmospheric water harvesting. She has been actively collaborating with national (Santos, Australia;

Tarac Technologies, Australia) and international industry partners (Gunmachoseki Co., Japan; Huasheng Graphite Co. Ltd., China) to facilitate the translation of fundamental research outcomes into practical solutions. She has published 38 papers in journals including Science Bulletin, Advanced Functional Materials, Nano Energy, Advanced Science. Her research publications have collectively received more than 2,650 citations, with an h-index of 23.

Professor Patrick Spicer – The University of New South Wales

Presentation Title: Curiosity, disruption, and applications.



Bio: Patrick Spicer is an Associate Professor of Chemical Engineering at UNSW in a group that explores unique response and flow in soft materials. After getting his PhD, Patrick ran a central engineering research group in the Procter & Gamble Company for 15 years and has been at UNSW for 10 years.

Dr. Paul Joyce – The University of South Australia

Presentation Title: Guts, drugs, and bugs: Engineering new materials for oral drug delivery.



Bio: Dr. Paul Joyce is a Research Fellow at University of South Australia's newly established Centre for Pharmaceutical Innovation, who specialises in engineering and pre-clinically optimising innovative therapeutic approaches to treating and curing diseases by working at the interface of pharmaceutical science and colloid and materials engineering. Dr. Joyce

completed his PhD in Pharmacy (UniSA) in 2016, where his contribution to the fields of pharmaceutical science and materials engineering were recognised with the Postgraduate Medal for Most Outstanding Thesis and the Norton Jackson Materials Science and Engineering Award. Upon completing his PhD, Dr. Joyce was awarded a highly competitive, international Postdoctoral Research Fellowship through funding from the Åforsk Foundation, which he completed at Chalmers University of Technology in Sweden. Dr. Joyce has published over 50 research outputs and has been awarded over \$5 million in competitive research funding.

Date:	Workshop Jan 31st	StuCon Day 1 Feb 1st	StuCon Day 2 Feb 2nd	StuCon Day 3 Feb 3rd	
Location:	Melbourne University	RMIT University	RMIT University	RMIT University	
8:30 AM	Workshop	Registration		Late Start	
8:45 AM		Conference Opens	Keynote 2: Prof. Patrick Spicer - UNSW		
9:00 AM		Keynote 1 - Dr. Xuan Wu - UniSA			
9:15 AM			Sajid Hassan	Hayden Robertson	
9:30 AM			Thomas Witzman	Ela Shilliday	
9:45 AM			Break	Arslan Siddique	
10:00 AM			ECR Session 1	Break	
10:15 AM			Lequan Zeng	Daniel Shaw	
10:30 AM			Louisa Huang	Alice Tiong	
10:45 AM			Morning Tea	Morning Tea	
11:00 AM			Daniel Sijmons	Xiaotong Song	
11:15 AM			Tanweepriya Das	Anthony Katselas	
11:30 AM			Jackquiline Eardley	Anh Phuong Dang	
12:00 PM			Lunch	Fahad Jabbar	
12:15 PM					
12:30 PM					
12:45 PM					
1:00 PM					
1:15 PM					
1:30 PM					
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3:30 PM					
3:45 PM					
4:00 PM					
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5:00 PM					
5:15 PM	Optional: First Night Meet and Greet The Clyde Hotel	Free Time Hooray!	Free Time Hooray!		
5:30 PM		Rooftop BBQ and Games	Conference Dinner		
5:45 PM					
6:00 PM					
6:15 PM					
6:30 PM					
6:45 PM					
7:00 PM					
7:15 PM					
7:30 PM					
7:45 PM					
8:00 PM					
8:15 PM					
8:30 PM					

1st Year Talks		ECR Talk Order	
Zahra	Eivazi Zadeh	Vaishnavi	Krishnamurthi
Hui	Yang	Rebecca	Walker
Nan	Nan	Maryam	Hosseini
Regina B.	D. de Medeiros	Neil	Robinson
Oshin	Misquitta	Joshua	Marlow
Stephen	Chung	Isaac	Gresham
Jeremy	Engwirda	Haitao	Yu
Rowan	Penman	Kasimir	Gregory
		Amir	Beheshti

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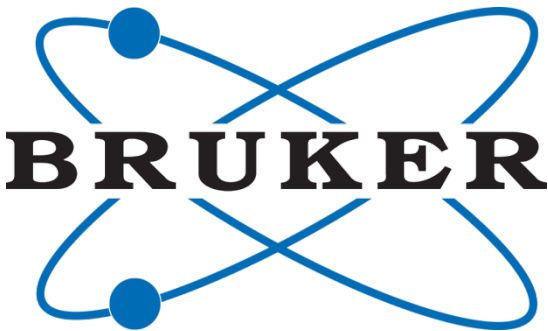


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