

Live Virtual Presentation Agenda

THURSDAY 29 JULY	
9:00am–9:30am	Welcome, Opening & Housekeeping: Judy Anderson, Helen Watt, Renae Ryan https://uni-sydney.zoom.us/j/85009004256
9:30am–10:20am	Keynote: Sue Thomson https://uni-sydney.zoom.us/j/85009004256
10:20am–10:50am	<i>MORNING TEA BREAK</i>
10:50am–11:40am	Concurrent paper sessions: A & B A: https://uni-sydney.zoom.us/j/86454875018 B: https://uni-sydney.zoom.us/j/81008120541
11:45am–12:35pm	Keynote: Sarah Chapman https://uni-sydney.zoom.us/j/85009004256
12:35pm–1:30pm	<i>LUNCH BREAK</i>
1:30pm–2:20pm	Keynote: Mustafa F. Özbilgin https://uni-sydney.zoom.us/j/85009004256
2:25pm–3:15pm	Concurrent paper sessions: C & D C: https://uni-sydney.zoom.us/j/86454875018 D: https://uni-sydney.zoom.us/j/81008120541
3:25pm–4:10pm	Concurrent workshop sessions: W1 & W2 W1: https://uni-sydney.zoom.us/j/86454875018 W2: https://uni-sydney.zoom.us/j/81008120541
4:10pm–4:55pm	Concurrent workshop sessions: W3 & W4 W3: https://uni-sydney.zoom.us/j/86454875018 W4: https://uni-sydney.zoom.us/j/81008120541
5:30pm–5:50pm	Keynote Q&A - Mustafa Özbilgin https://uni-sydney.zoom.us/j/85009004256
5:00pm–6:00pm	Poster Presentations https://uni-sydney.zoom.us/j/86454875018

FRIDAY 30 JULY	
9:00am–9:50am	Keynote: Jacquelynne S. Eccles https://uni-sydney.zoom.us/j/85009004256
9:50am–10:30am	<i>MORNING TEA BREAK</i>
10:30am–11:45am	Concurrent paper sessions: E & F E: https://uni-sydney.zoom.us/j/86454875018 F: https://uni-sydney.zoom.us/j/81008120541
11:50am–12:35pm	Feature panel: Superstars of STEM https://us02web.zoom.us/j/81795060339
12:35pm–1:30pm	<i>LUNCH BREAK</i>
1:30pm–2:20pm	Keynote: Ana Deletic https://uni-sydney.zoom.us/j/85009004256
2:30pm–3:45pm	Concurrent paper sessions: G & H G: https://uni-sydney.zoom.us/j/86454875018 H: https://uni-sydney.zoom.us/j/81008120541
4:00pm–4:40pm	Close, Poster Award, Conference 2022 https://uni-sydney.zoom.us/j/85009004256



Details for Concurrent Sessions

A & B

29 July	https://uni-sydney.zoom.us/j/86454875018 A: STEM expectancy and value influences on educational and career choices <i>Chair: Watt, H.</i>	https://uni-sydney.zoom.us/j/81008120541 B: Principals and middle leaders as STEM education leaders <i>Chair: Hunter, J.</i>
10:50am – 11:15am	Guo, J.; Hu, X.; Pekrun, R.; Marsh, H. Cross-cultural and gender differences in predicting career aspirations in different STEM-related fields: An expectancy-value perspective	Beswick, K.; Dacosta, L.; Watt, H.; Fraser, S.; Geiger, V. Principals' gendered STEM background, attitudes, self-efficacy for STEM leadership and prioritisation of STEM investment in their schools
11:15am – 11:40am	Toh, L.; Watt, H. M. G. Women's preparation for a mathematical STEM career: How do expectancies and values predict attainment of a math. STEM tertiary degree?	Hunter, J. L. Promoting female middle leaders: Primary schools as sites for education leadership in STEM education

C & D

29 July	https://uni-sydney.zoom.us/j/86454875018 C: Mentoring women's development through the career pipeline in diverse STEM fields <i>Chair: Wozniak, T.</i>	https://uni-sydney.zoom.us/j/81008120541 D: Outreach and development programs to influence teachers' and students' gendered STEM beliefs <i>Chair: Durksen, T.</i>
2:25pm – 2:50pm	Bautista, L.; Cheng, E. Lucy Mentoring Program: Redesign and impact evaluation	Durksen, T. L.; Gajda, C. A science museum-based study of teachers' professional development and beliefs
2:50pm – 3:15pm	Wozniak, T.M.; Miller, E.; Williams, K.; Pickering, A. Championing women working in health across regional and rural Australia – A new dual-mentorship model	Giugni, A.; Angelini, M. In-curriculum primary and high school STEM outreach

E & F

30 July	https://uni-sydney.zoom.us/j/86454875018 E: Gendered STEM career trajectories in academia <i>Chair: Richardson, P.</i>	https://uni-sydney.zoom.us/j/81008120541 F: Antecedents and consequences of students' STEM motivations: Influences of teachers and teaching, and consequences for achievement <i>Chair: Holmes, K.</i>
10:30am – 10:55am	Christian, K.; Johnstone, C.; Larkins, J.; Wright, W.; Doran, M. Survey of Australian STEMM early career researchers raises concerns about research culture	Little, J. Connecting mathematics with science contexts in junior secondary school: Impact on expectancy-values, teaching and learning of mathematics
10:55am – 11:20am	Richardson, P.W.; Heffernan, A.; Westcott, S.; Watt, H.M.G. Hanging by a thread: Precarious futures for early career women academics in STEM	Berger, N.; Mackenzie, E.; Holmes, K. Positive attitudes towards mathematics and science are mutually beneficial for student achievement: Latent profile analysis of TIMSS 2015
11:20am – 11:45am	Christian, K.; Johnstone, C.; Larkins, J.; Wright, W.; Doran, M. Job satisfaction for ECRs in STEMM – is it different for men and women?	Abraham, J.; Skillen, M.; Gough, L. “Does gender matter when teaching STEM?”: Australian primary teachers speak

G & H

30 July	https://uni-sydney.zoom.us/j/86454875018 G: Gender and mathematics interest: Its measurement, development, and influences <i>Chair: Watson, P.</i>	https://uni-sydney.zoom.us/j/81008120541 H: Gender and mathematics anxiety, stereotypes, beliefs and identity development <i>Chair: Holmes, K.</i>
2:30pm – 2:55pm	<i>Lee, K. J.</i> Measurement and stability of affective and cognitive interest components among Australian adolescent girls and boys	<i>Mackenzie, E.; Berger, N.; Holmes, K.</i> The Adolescent STEM Anxiety Scale: Construction, validation, and gender differences
2:55pm – 3:20pm	<i>Tuohilampi, L.</i> Accessing mathematics through interest: conceptualising mathematics tasks aligning with the four-phase model of interest development	<i>Scholes, L.; Stahl, G.; McDonald, S.</i> 'I'm good at science but I don't want to be a scientist': Australian primary school students' stereotypes of science and scientists
3:20pm – 3:45pm	<i>Watson, P.</i> Discussion - pre-recorded symposium: Interest as key variable for STEM career choices in formative final school years and tertiary education <i>European paper presentations were pre-recorded: please listen beforehand at</i> https://www.youtube.com/playlist?list=PLAkWe-yItlpxQJn4zCzH213sQRc_PBV5G (<i>authors will join Q&A</i>)	<i>Prieto, E.; Sincock, K.; Blackmore, K.; Berretta, R.; Wanless, E.; Johnson, S.; Giacomini, A.; Todd, J.</i> Experiences of STEM outreach: What shapes girls' identities?

Concurrent workshop sessions

29 July	https://uni-sydney.zoom.us/j/86454875018	https://uni-sydney.zoom.us/j/81008120541
3:25pm – 4:10pm	W1: <i>Gannon, S.; Scantlebury, K.; Herman, C.</i> Writing, reviewing and publishing in peer-reviewed journals	W2: <i>Beekhuyzen, J.; O'Brien, N.; Catchpole, H.; Cheng, E.</i> Designing engaging STEM programs and resources for primary school-aged girls
4:10pm – 4:55pm	W3: <i>Schedlich, S.</i> Engaging with the media for research impact	W4: <i>Carvalho, A.</i> What about the M in STEM?

Posters

29 July	https://uni-sydney.zoom.us/j/86454875018 In-person poster presentations <i>Chair: O'Connor, B. R.</i>	https://www.youtube.com/playlist?list=PLAkWe-yItlpxVxAj-uW5bK2P9xP2EWZeH Pre-recorded poster presentations <i>available to listen at your convenience</i>
5:00pm – 6:00pm	<ol style="list-style-type: none"> <i>Cheng, Bautista, Angelini, Giugni, Katuwandeniya:</i> COVID-19 resilience: Agility and adaptation of gender equity programs to broaden reach <i>Chow, McMaster:</i> Conceptual change of same-sex dyads interviewed while predicting then measuring displacement by a sequence of different materials <i>Katuwandeniya, Soleimanimatin, Hayati:</i> Connecting a community of postgraduate women in Engineering and IT <i>Masri, Tytler, van Driel, Miller:</i> The role of careers advice in pursuing STEM by girls <i>Simone:</i> A conceptualisation of women in STEM's employability during career break transitions 	<ol style="list-style-type: none"> <i>Booth, Mammes:</i> Germany's continuing problem of record low numbers of women working in STEM <i>Brezynski, Long, Allen, Wood:</i> The BioCORE Scholars Program, a cohort model, improves academic attainment of female minority students in biology <i>Lee, Eccles:</i> Leveraging YouTube to increase women's physics identity and motivation <i>Spiteri:</i> Understanding young girls' STEM experiences, attitudes and aspirations <i>Stephenson, Fleer, Fragkiadaki:</i> A cultural-historical perspective on increasing girls' STEM engagement in early childhood: Conditions created by the Conceptual PlayWorld model
30 July	https://uni-sydney.zoom.us/j/86036595044 Zoom Q&A discussion with all poster presenters (please listen beforehand) <i>Chair: O'Connor, B. R.</i>	
10:00am – 10:30am		