



(Image: Sarah Morris, mentored by Prof. C.H.K. Williamson, Cornell University, USA, AFMS Photo Competition, 1st Prize, 2020)

## AFMC2024 SUMMARY SCHEDULE

Draft, Version 11e, 17/11/2024

Time / Code	Details
<b>Sunday 1 December</b>	
17:00-18:30	Registration Desk open, Mezzanine level, Hotel Realm
17:30-19:00	Welcome Reception, Mezzanine level, Hotel Realm
<b>Monday 2 December</b>	
7:30-9:30	Registration Desk open, Mezzanine level, Hotel Realm
8:30-8:45	Opening of AFMC2024, Ballrooms 2-3
8:45-9:15	Launch of AFMS "Riding the Wave" Report, Ballrooms 2-3
9:15-10:15	Keynote Lecture by Prof. Emilie Sauret, Queensland University of Technology, Qld, Australia, in Ballrooms 2-3. Title: Numerically Exploring Inertialess Multiphysics: From Fundamentals to Applications
10:15-10:35	Morning Tea (catered), Mezzanine Level
10:35-13:00	Parallel Sessions 1 (15 min each talk + 5 min for questions)
CFD-I	LEAP Session 1A on Computational Fluid Dynamics I (CFD-I), chaired by Richard Sandberg, in Ballroom 1
AERO-I	Session 1B on Aerodynamics (AERO-I), chaired by Gholamreza Kefayati, in Ballroom 2
BL-I	LastekSession 1C on Boundary Layer Flows I (BL-I), chaired by Ivan Marusic, in Ballroom 3
FIRE-I	Session 1D on Fire and Combustion I (FIRE-I), chaired by Maryam Ghodrat, in High Courtyard North
BIO-I	Session 1E on Biofluid and Biomedical Fluid Mechanics I (BIO-I), chaired by Andrew Ooi, in High Courtyard South
MULTI-I	elmaging Session 1F on Multiphase Flows I (MULTI-I), chaired by David Petty , in Ballroom 4
13:00-13:10	AFMC2024 Photos
13:10-14:00	Lunch (catered), Mezzanine Level
13:55-16:40	Parallel Sessions 2
CFD-II	Session 2A on Computational Fluid Dynamics II (CFD-II), chaired by Rowan Gollan, in Ballroom 1

HYPER-I	AOARD Session 2B on Hypersonics I (HYPER-I), chaired by Andrew Neely, in Ballroom 2
BL-II	0Session 2C on Boundary Layer Flows II (BL-II), chaired by Jason Monty, in Ballroom 3
FIRE-II	Session 2D on Fire and Combustion II (FIRE-II), chaired by Amna Khraibut , in High Courtyard North
BIO-II	Session 2E on Biofluid and Biomedical Fluid Mechanics II (BIO-II), chaired by Daniel Duke, in High Courtyard South
MULTI-II	Session 2F on Multiphase Flows II (MULTI-II), chaired by Sarah Morris, in Ballroom 4
16:40-17:00	Afternoon Tea (catered), Mezzanine Level
17:00-18:00	Keynote Lecture by Prof. Amy Lang, University of Alabama, Tuscaloosa, AL, USA, in Ballrooms 2-3. Title: Sharks and Butterflies: Flow Control with Small Scales
18:30-20:00	Invited Speaker Dinner (invitation only), location TBA
18:15-20:00	HDR Student Event (ticketed), Ballroom 2, canape catering provided
18:15-20:00	ECR / MCR Student Event (ticketed), North High Courtyard, canape catering provided
	<b>Tuesday 3 December</b>
7:30-8:30	Registration Desk open, Mezzanine level, Hotel Realm
8:00-9:10	Batchelor Lecture sponsored by AOARD, by Prof. Ellen K Longmire, University of Minnesota, Minneapolis, MN, USA, in Ballrooms 2-3. Title: Particle Motions in Turbulent Flows
9:10-9:15	AOARD Sponsorship Presentation, in Ballrooms 2-3
9:15-10:15	Emerging Leaders Forum, hosted by Dr Maryam Ghodrat, in Ballrooms 2-3. Emerging Leader speakers: Dr Bianca Capra, A/Prof. Danielle Moreau
10:15-10:35	Morning Tea (catered), Mezzanine Level, Mezzanine Level
10:35-13:00	Parallel Sessions 3
CFD-III	Session 3A on Computational Fluid Dynamics III and Lattice Boltzmann Methods (CFD-III), chaired by Fangbao Tian , in Ballroom 1
HYPER-II	Session 3B on Hypersonics and Compressible Flows II (HYPER-II), chaired by Vincent Wheatley, in Ballroom 2
BL-III	Session 3C on Boundary Layer Flows III (BL-III), chaired by Matthew Mason, in Ballroom 3
HEATMASS-I	Session 3D on Heat and Mass Transfer I (HEATMASS I), chaired by Chengwang Lei, in High Courtyard North
GEOPHYS-I	Session 3E on Geophysical Flows I (GEOPHYS-I), chaired by Richard Manessah, in High Courtyard South
MULTI-III	Session 3F on Multiphase Flows III (MULTI-III), chaired by Joe Berry, in Ballroom 4
13:00-13:55	Lunch (catered), Mezzanine Level
13:55-16:40	Parallel Sessions 4
FSI-I	Session 4A on Fluid Structure Interaction (FSI-I), chaired by Justin Leontini, in Ballroom 1

HYPER-III	Adept Turnkey - Phantom High-Speed Session 4B on Hypersonics and Compressible Flows III (HYPER-III), chaired by Matt Cleary, in Ballroom 2
BL-IV	Session 4C on Boundary Layer Flows IV (BL-IV), chaired by Maziar Arjomandi, in Ballroom 3
HEATMASS-II	Prof. John C. Patterson Memorial Session 4D on Heat and Mass Transfer II (HEATMASS II), chaired by Juan Felipe Torres , in High Courtyard North
GEOPHYS-II	Session 4E on Geophysical Flows II (GEOPHYS-II), chaired by Vassili Kitsios, in High Courtyard South
MULTI-IV	Session 4F on Multiphase Flows IV and Rheology (MULTI-IV), chaired by Jong-Leng Liow , in Ballroom 4
16:40-17:00	Afternoon Tea (catered), Mezzanine Level
18:00-23:00	AFMC2024 Conference Banquet, National Gallery of Australia, Parkes Place East, Parkes ACT 2600 (from 18:00, volunteers will act as walking guides to the venue)
<b>Wednesday 4 December</b>	
8:00-8:30	Registration Desk open, Mezzanine level, Hotel Realm
8:15-9:15	Keynote Lecture by Prof. Claudia Cenedese, Woods Hole Oceanographic Institution, Woods Hole, MA, USA, in Ballrooms 2-3. Title: Everything You Always Wanted to Know About Icebergs Melting* (*But Were Afraid to Ask)
9:15-10:15	Indigenous Keynote Lecture by Prof. Rowena Ball, Australian National University, Canberra, Australia, in Ballrooms 2-3. Title: Flows of Change and Reconciliation: Wine into the Wide River. Chaired by Prof. Jason Sharples
10:15-10:35	Morning Tea (catered), Mezzanine Level
10:35-13:20	Parallel Sessions 5
PROB-I	Session 5A on Probabilistic Methods and Machine Learning I (PROB-I), chaired by Robert Niven, in Ballroom 1
ACOUST-I	Session 5B on Aeroacoustics I (ACOUST-I), chaired by Con Doolan, in Ballroom 2
TURB-I	Blink Tech Session 5C on Fluid Turbulence (TURB-I), chaired by Daniel Chung, in Ballroom 3
PLUME-I	Session 5D on Plumes (PLUME-I), chaired by Matthew Cleary, in High Courtyard North
ENV-I	Session 5E on Environmental Fluid Dynamics I (ENV-I), chaired by Hubert Chanson, in High Courtyard South
EXPT-I	Dantec / Pixeltech Session 5F on Experimental Techniques & Facilities I (EXPT-I), chaired by Julio Soria, in Ballroom 4
13:20-15:00	Poster Session with Lunch (catered), Mezzanine Level
13:20	Session 6A on Posters, chaired by Nasrin Taghavi, in Mezzanine Level
15:00-18:00	Laboratory Tours: UNSW Canberra / ANU / CSIRO (ticketed), buses to depart from Hotel Realm 15:05 sharp (volunteers will act as guides)
18:00-21:00	Conference BBQ (ticketed), location TBA (from 18:00, volunteers will act as walking guides to the venue)

	<b>Thursday 5 December</b>
8:00-8:15	Registration Desk open, Mezzanine level, Hotel Realm
8:15-9:15	Keynote Lecture by Prof. Mathieu Sellier, University of Canterbury, Christchurch, New Zealand, in Ballrooms 2-3. Title: Viscometric Free Surface Flows: From Small to Large and From Cold to Hot. Chaired by Robert Niven
9:15-10:40	Parallel Sessions 7
PROB-II	Session 7A on Probabilistic Methods and Machine Learning II (PROB-II), chaired by Graham Wild , in Ballroom 1
JETSWAKES-I	Session 7C on Jets and Wakes (JETSWAKES I), chaired by Callum Atkinson , in Ballroom 3
INSTAB-I	Session 7D on Instabilities and Transitional Flows (INSTAB-I), chaired by Steven Armfield, in High Courtyard North
BUILT-I	Session 7E on Built Environments (BUILT-I), chaired by Maarten Vanierschot, in High Courtyard South
EXPT-II	BestechSession 7F on Experimental Techniques & Facilities II (EXPT-II), chaired by James Venning, in Ballroom 4
10:40-11:00	Morning Tea (catered), Mezzanine Level
11:00-13:20	Parallel Sessions 8
ACOUST-II	Session 8B on Aeroacoustics II (ACOUST-II), chaired by Danielle Moreau, in Ballroom 2
VORT-I	Session 8C on Vortices (VORT-I), chaired by Charitha de Silva, in Ballroom 3
RENEW-I	Session 8D on Renewable Energy (RENEW-I), chaired by Azaadeh Jafari , in High Courtyard North
ENV-II	Session 8E on Environmental Fluid Dynamics II (ENV-II), chaired by Matthias Kramer, in High Courtyard South
CONTROL-I	Session 8F on Flow Control (CONTROL-II), chaired by Nicholas Hutchins, in Ballroom 4
13:20-14:20	Lunch (catered), Mezzanine Level
14:20-15:00	Surprise Session, Ballrooms 2-3
15:00-16:00	Closing Ceremony and Student Awards, Ballrooms 2-3
16:30-17:15	AFMS Business Meeting and AGM, Ballrooms 2-3