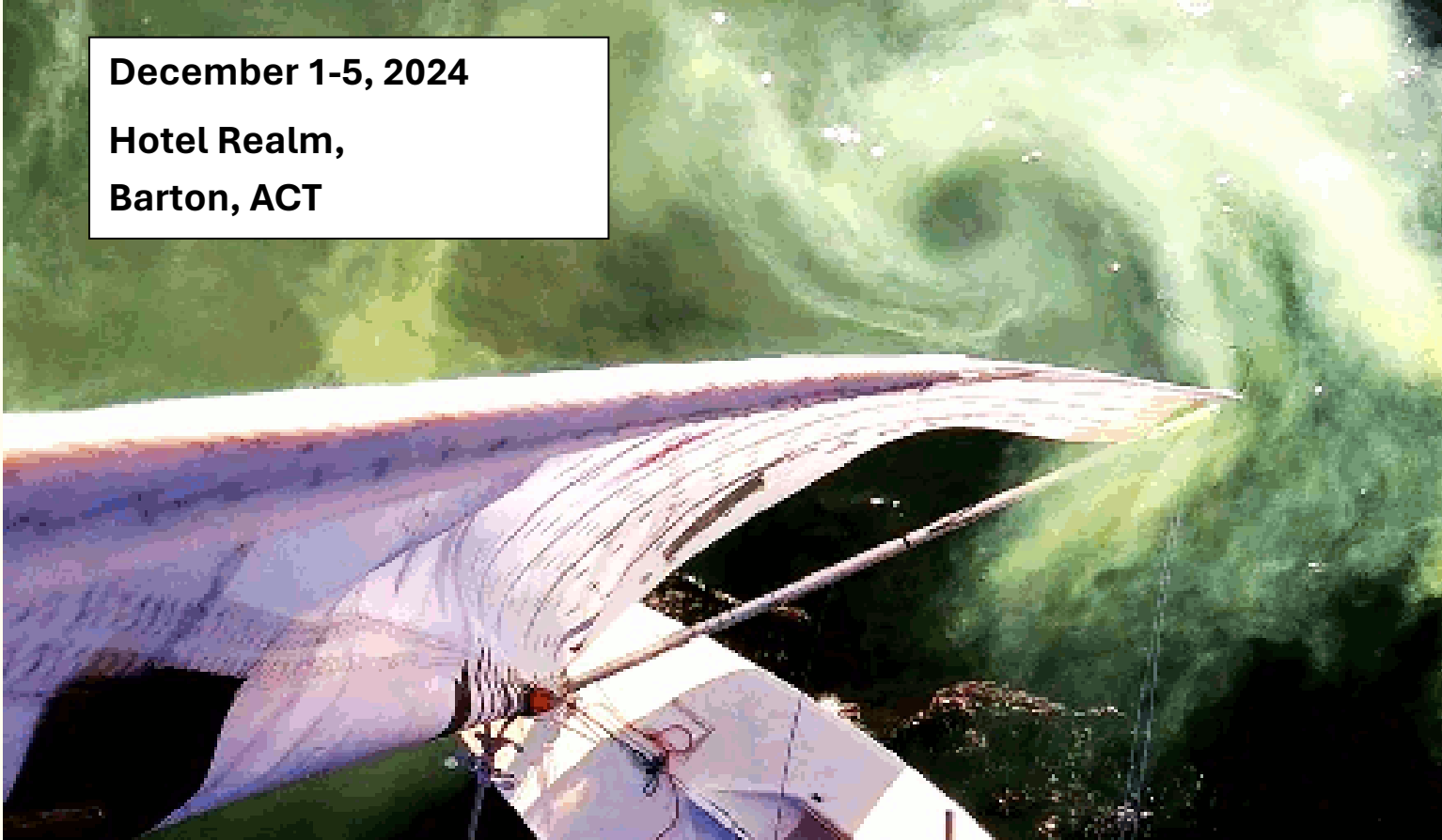


24th Australasian Fluid Mechanics Conference 2024

December 1-5, 2024

**Hotel Realm,
Barton, ACT**



Call for Abstracts



<https://afmc2024.org/>



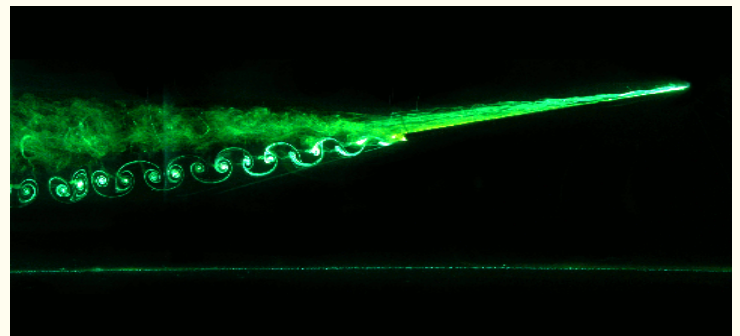
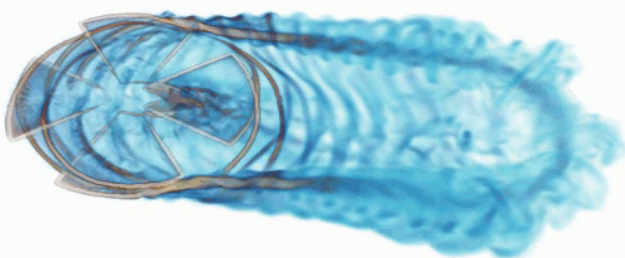
afmc2024exec@gmail.com

Online abstract submission will be open from 1 May 2024 for the 24th Australasian Fluid Mechanics Conference (AFMC2024).

The abstracts should be limited to one page, and should contain your original research in one or more of the conference themes listed

overpage. Upon acceptance of your abstract, you will be invited to submit a full paper to the conference.

More details, template, and instructions on the submission are provided in the conference website (<https://afmc2024.org/>).



The Australasian Fluid Mechanics Conference, which is organised in collaboration with the Australasian Fluid Mechanics Society (AFMS, www.afms.org.au), began in 1962 and has grown to become the premier fluid mechanics conference in Australasia, bringing together an international group of scientists, engineers and educators with common interests in fluid mechanics to meet and exchange ideas.

This fully peer-reviewed conference series has traditionally covered the broad field of fluid mechanics in all engineering and scientific disciplines, with conference proceedings published online to promote public dissemination of knowledge.

A diverse range of research areas will be represented by the exceptional plenary speakers.

The AFMS will also be providing several awards and competitions that are open to all students attending AFMC2024. In addition to the Student Presentation Prizes, this also includes the Student Participation Awards as well as the Photo & Video Competition. More details can be found at the conference website (<http://afms2024.org>).

The conference will be held in Canberra, ACT, from Sunday 1st to Thursday 5th of December 2024. We also encourage all delegates to stay on after the conference, to enjoy Canberra, its national attraction, wineries, hiking trails, and many exciting local destinations including the Australian Alps. The AFMC2024 will be a family-friendly conference, with childcare available for delegates, so we encourage you to make your stay in ACT a family affair.

Robert Niven
Lead Chair

Jong-Leng Liow
Secretary

Maryam Ghodrat
Co-chair and Conference Program Lead

Conference Themes:

- Aero-acoustics
- Aerodynamics
- AI in fluid mechanics
- Atmospheric research
- Computational fluid dynamics
- Biomedical fluid mechanics
- Boundary layers
- Environmental fluid mechanics
- Experimental techniques and facilities
- Fire and combustion
- Fluid mechanics education
- Fluid-structure interaction
- Flow control
- Gas dynamics
- Ground water flows
- Heat transfer
- Hydraulics
- Hydrodynamics
- Industrial flows
- Jets and wakes
- Micro/bio fluid mechanics
- Multiphase and particle-laden flows
- Non-Newtonian flows
- Oceanography
- Pipe flows
- Reacting flows
- Renewable energy (Wind/Wave/Tidal/Geothermal)
- Rheology
- Sports and vehicle aerodynamics
- Turbulence
- Wind engineering
- Viscous flows
- Vortices

Key Dates:

Key Dates

Online abstract submission close	17 May 2024
Notification of abstract review outcome	14 June 2024
Full paper submission close	27 June 2024
Notification of full paper review outcome	20 September 2024
Receipt of final paper	27 September 2024
Photo & Video Competition close	15 November 2024
Conference	1-5 December 2024