



NEWSLETTER – No. 5

March 2013

Welcome to the fifth newsletter of the Australasian Fluid Mechanics Society (AFMS). Last year was an active year for the Society...

NEWS

18 AFMC

The 18th Australasian Fluid Mechanics Conference was held in December 2012 in Launceston, Tasmania. The conference was jointly hosted by the University of Tasmania and the Australian Maritime College (AMC) and strongly supported by local and state governments. Congratulations to the Chairperson of the Organising Committee, Paul Brander, and his team for making the conference a huge success.

At the week-long conference delegates enjoyed the many talks and had numerous opportunities to meet with colleagues and sample Tasmanian specialties.



Paul Brander, Conference Chair, welcoming delegates to the conference dinner, held at the Albert Hall, Launceston.

All of the published papers are available at the AFMS electronic archive at

<http://www.afms.org.au/conference/AFMC.htm>

New Fellows of the AFMS

We wish to congratulate the new Fellows of the Society.

The Fellowships were awarded at the 18AFMC conference dinner in the Albert Hall, Launceston on 6th December 2012.

The new Fellows are:

Hugh Maurice Blackburn
Roger Hamilton James Grimshaw
Hans Georg Hornung
Dale Ian Pullin
Alexander John Smits



Hugh Blackburn receiving his Fellowship certificate from Ivan Marusic.



Lex Smits receiving his Fellowship certificate from Ivan Marusic.

ANNOUNCEMENTS

19 AFMC in 2014

As announced at the Annual General Meeting in December, Melbourne will be the host city for the 19AFMC, which will be held in December 2014, with RMIT the host and lead institution. Monash and Swinburne universities will also be involved in the organising, rather like the Olympics where the whole city is involved. Attendees will enjoy all the facilities and attractions offered by RMIT's CBD location.

Meanwhile, our colleagues at the University of Melbourne will be busy organising the Ninth International Symposium on Turbulence and Shear Flow Phenomena 2015 in Melbourne, so mark that in your calendars as well.

Election of AFMS committee members

Members of the executive committee of the AFMS serve for two years. The current composition of the committee, elected at the AGM in Launceston last year, is:

Richard Manasseh	President
Jim Denier	Vice-President
Ivan Marusic	Treasurer
Tony Lucey	Secretary
Steve Armfield	Executive Committee Member
Tracie Barber	Executive Committee Member
Bianca Capra	Executive Committee Member
Ross Griffiths	Executive Committee Member
Greg Ivey	Executive Committee Member
Richard Kelso	Executive Committee Member
Wenxian Lin	Executive Committee Member
Richard Morgan	Executive Committee Member
Roger Nokes	Executive Committee Member
Tony Roberts	Executive Committee Member
Julio Soria	Executive Committee Member
Michael Borgas	Co-opted Executive Committee Member
Simon Henbest	Co-opted Executive Committee Member
Gordon Mallison	Co-opted Executive Committee Member
Jessica Walker	Co-opted Executive Committee Member

Next AFMS committee meeting

The next committee meeting will be held on 15 March.

POSSIBLE AFMS INITIATIVES

As noted by immediate past-President Ivan Marusic at the 18AFMC, the Society is now up and running with a sufficient financial balance to underwrite future AFMCs. Ensuring the financial viability of future AFMCs remains a priority. However, we may additionally be able to invest in other initiatives. Below are some of the ideas which have been put forward so far. Please let the Society (or one of the committee members) know your opinion of

these, and send in any ideas of your own. We have four committee meetings a year at which we can discuss initiatives.

- A winter school with engaging lecturers to encourage high-performing local undergrads to consider PhDs in fluids
- Run an Australian Summer School or similar (mini-conference) for research students in Fluid Mechanics
- Sponsor annual prize or awards for the top thesis (PhD/MPhil and/or final-year project) in Fluid Dynamics (more about esteem than the value of the prize)
- Support/organise eminent-speaker tours; e.g. if one university has already brought an eminent Fluid Mechanician to Australia, the AFMS could support him/her making a lecture tour to other states; or link the tour to someone already invited to AFMS
- Specialist colloquia connected with the AFMC
- Improve industry's understanding of the importance of Fluid Mechanics with a view to increasing Industry support for research and participation in, for example, ARC-Linkage grants
- Develop the AFMS website to be a genuine resource centre for Fluid Mechanics; suggestions included:
 - Notices of events of interest to the AFMS community (conferences etc.)
 - Lists of active researchers to facilitate joint grant applications, etc.
 - Notices of opportunities for AFMS members – we already have a jobs site (see below) – should we include other opportunities?
 - Blog or trouble-shooting centre for students and members (e.g. "How do you solve...")
 - Gallery of images for Fluid Mechanics – a means to promote Australian work and share images that might be useful in teaching etc.
- Set up an open-access journal for Fluid Mechanics
- Shared development of teaching materials or even an entire online unit in Fluid Mechanics (e.g. final-year/taught-Masters unit on Turbulence, or a basic first/second-year introductory Fluid Mechanics unit)
- Facilitate sharing of research equipment (or at least awareness of who has what in Australia so that appropriate Fluid Mechanics alliances could be facilitated... and/or identify equipment gaps in Australia). In future we may even need to consider shared equipment operated remotely.

JOBS ON THE AFMS WEBSITE

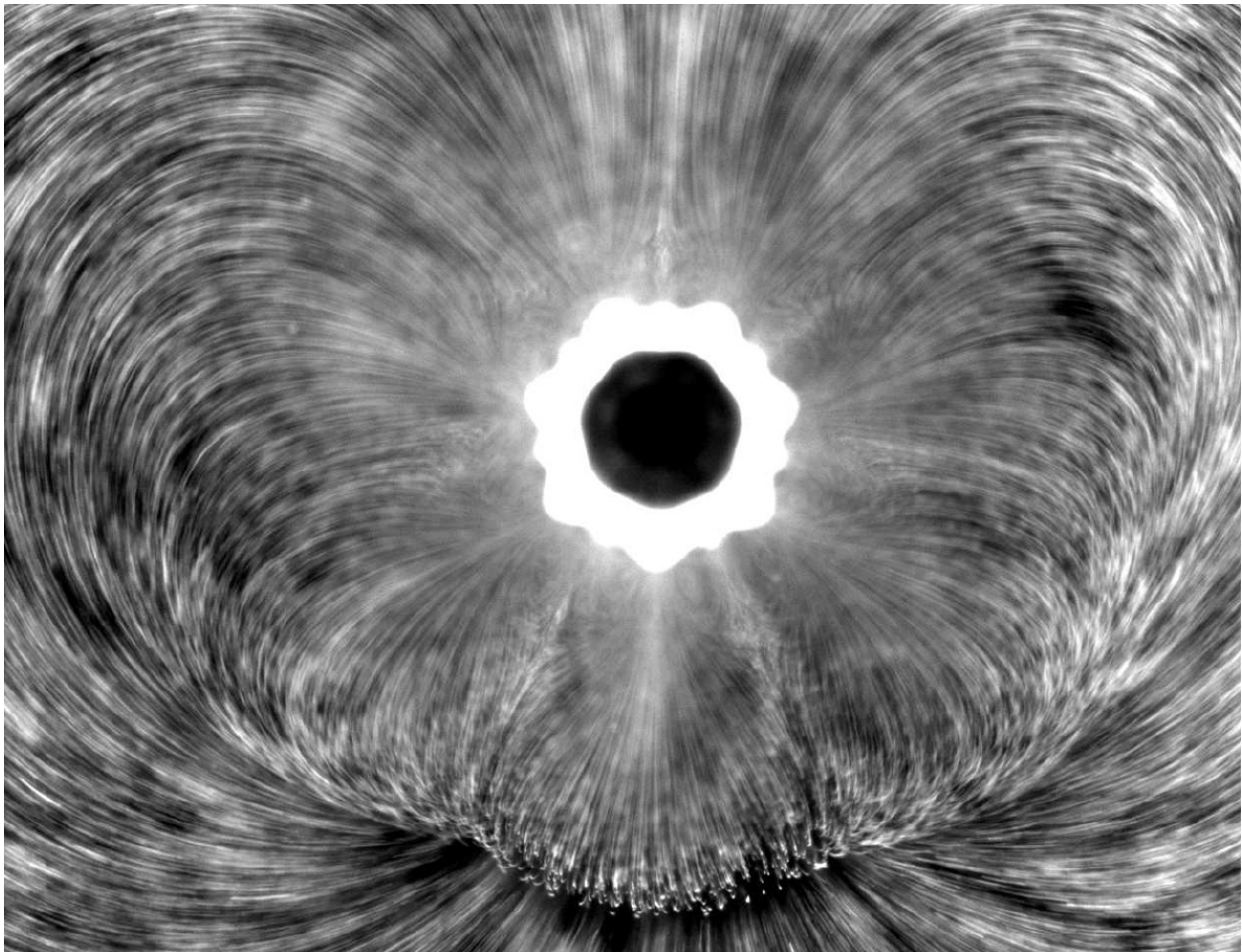
We have a "jobs ad" section in our website, which presently has only one active ad. Please send postdoc or other advertisements (e.g. PhD scholarships, or internship or vacation

projects available) to us. The level of activity of Fluid Mechanics in Australia and New Zealand is high, and we should reflect this on our site. There are a lot of recent PhD graduates around the world looking for positions. The more ads we have, the more hits we get, the higher we get indexed on Google, and the more we will attract attention to our site and to ourselves. At least until we are totally deluged with ads, advertising is free for AFMS members, so get in early!

ENDPIECE

If you would like to contribute an item for inclusion in the next newsletter, then please contact the secretary of the AFMS at a.lucey@curtin.edu.au

The Society's website can be found at: <http://www.afms.org.au>



Streakline image of acoustic microstreaming around a 225 ± 25 micron diameter bubble excited into $n=7$ shape modes at 12 kHz. Ref: Tho et al 2007, JFM 576, 191-233

This newsletter's fluid-mechanics image is provided by Richard Manasseh of Swinburne University of Technology. **More submissions are requested for future editions of the newsletter and for the AFMS gallery.**