

13th INTERNATIONAL HEAT TRANSFER CONFERENCE
Sydney, Australia, 13 – 18 August 2006
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The Thirteenth International Heat Transfer Conference was held in Sydney, Australia under the joint auspices of the Australasian Fluids and Thermal Engineering Society and Engineers Australia on behalf of the Assembly for International Heat Transfer Conferences (AIHTC). The International Heat Transfer Conference series has existed for over 40 years, with conferences being held every four years since 1962. IHTC-13 was the first conference to take place in the southern hemisphere.

The goal of the conference was to provide a forum for the exposure and exchange of ideas, methods and results in heat and mass transfer. Papers on all aspects - both fundamental and applied - were presented. The 29 session topics are listed below.

Over 1200 abstracts were submitted. Not all abstracts were accepted, and not all accepted abstracts were turned into papers by their authors. After careful reviewing by members of the International Scientific Committee, who came from the 18 member countries of the AIHTC, 657 contributed papers were accepted and presented. As has been the custom in recent IHTCs, these were all by poster presentation. Eight poster sessions, each lasting two to three hours, were held during the week, including an Open Forum for the presentation of recent (unreviewed) work.

In addition to the contributed poster papers, there were 33 invited lectures. These included: the Fourier Lecture by the President of the Assembly, Professor Jean-Marc Delhaye of France; the inaugural James P. Hartnett Memorial Lecture by Professor D. Brian Spalding of the UK; the Max Jacob Award Lecture by Professor Ping Cheng of China; and the Donald Q. Kern Award Lecture by Professor

Sanjoy Bannerjee of the United States. The remaining 29 keynote speakers came from most of the Assembly member countries.

Seven discussion panels were organised. In each, three to five speakers made presentations; contributions were then invited from the floor. The topics were DNS/LES; Heat Transfer Education; Dynamic Control; Optimisation for Sustainability; Nuclear Applications; Meshless Methods; Virtual Reality and CFD.

IHTC-13 welcomed 836 delegates from 55 countries. The largest number – 133 – came from Japan. Other countries sending large numbers of delegates included China (63), France (56), Germany (41), South Korea (58), UK (30) and USA (113). There were 63 delegates from the host country, Australia. A pleasing feature was the number of student delegates: 146, including 17 from Japan and 18 from Australia.

The conference was held in the beautiful harbour-side city of Sydney in almost perfect weather: the temperature ranged between a daily minimum of 9-13 °C and a maximum of 20-25 °C. There were clear blue skies for all but about 30 minutes on the Tuesday, when 16 mm of rain and hail fell – at a time when delegates were (or should have been!) indoors listening to a lecture.

The *Annals of the Assembly for International Heat Transfer, Volume 13*, will be published online by Begell House Inc. later in the year, at www.edata-center.com.

IHTC-14 will be held in Washington DC in August 2010. It was decided in Sydney that IHTC-15 will be in Kyoto in August 2014.

Graham de Vahl Davis, Conference Chair

Bio HT	Environmental HT	HT enhancement	Materials processing	Particulate & porous
Boiling	Equipment	Jets	Mass transfer	Radiation
Conduction	Exp. Techniques	Mixed convection	Math & Comp	Solidification
Combustion, fire	Forced convection	Microscale	Nanoscale	Thermophysics
Condensation	Fouling	Manufacturing	Nuclear	Turbulence
Energy	Heat exchangers	Multiphase	Natural convection	