

## CONFERENCE VENUE

The conference venue, the Sydney Convention and Exhibition Centre, is a modern, integrated facility situated on a spectacular harbourside location. Only moments from the heart of Sydney's city centre, Darling Harbour is accessible by ferry, water taxi, light rail, bus, car, monorail or foot.



## THE CITY OF SYDNEY

Sydney is one of the world's most highly awarded cities, and has received many accolades, such as the 4<sup>th</sup> World's Best City (Travel and Leisure Magazine, USA 2008), and the 1<sup>st</sup> favourite overseas city (Guardian and Observer Travel Awards, UK 2008). Sydney enjoys a temperate year-round climate with no extreme weather conditions and is very hospitable by international standards. The City of Sydney has a diverse ethnic mix with half of its residents born overseas, and is also the home to one of Sydney's largest communities of Aboriginal peoples.

Sydney is the gateway to Australia and is accessible to all delegates with over 40 passenger airlines flying into Sydney International Airport over 600 flights arriving per week. The internationally competitive rates and excellent range of accommodation in Sydney provides a variety of choice to suit all delegates. The entire Sydney region has over 32,500 hotel, motel rooms and serviced apartments.

For more information, visit [www.sydney.com](http://www.sydney.com) and [www.sydney.com.au](http://www.sydney.com.au).



## 18<sup>th</sup> International Conference on the Computation of Electromagnetic Fields

([www.compumag2011.com](http://www.compumag2011.com))

## Announcement and Call for Papers

### Important Dates:

- Receipt of 2 page digest 31 October 2010
- Notification of acceptance 15 February 2011
- Provisional program available 1 March 2011
- Registration starting date 1 March 2011
- Deadline for early bird registrations 1 May 2011
- Deadline for normal registrations 1 June 2011
- Final program available 20 June 2011
- Receipt of 4 page full paper 1 July 2011



## AIMS

The aim of the Conference is to discuss recent developments and practical applications in the numerical computation of electromagnetic fields for engineers and physicists engaged in the design and analysis of electromagnetic devices. Reflecting the new trends and rapid progress in the field, authors worldwide are invited to submit original and previously unpublished contributions. The Conference will feature oral and poster presentations. Panel discussions and invited speakers will focus attention on future trends in areas of interest to the Conference. Companies and research organizations will have technical and commercial exhibitions. The Testing Electromagnetic Analysis Methods (TEAM) Workshop is incorporated into the Conference by inviting contributions on benchmarking and code validation.

## TOPICS

1. Static and Quasi-Static Fields
2. Wave Propagation
3. Electromagnetic Compatibility
4. Nano-Electromagnetic Computation and Applications
5. Bio-Electromagnetic Computation and Applications
6. Non-destructive Electromagnetic Inspection and Applications
7. Photonics
8. Material Modelling
9. Coupled Multi-physics Problems
10. Optimization and Design
11. Numerical Techniques
12. Software Methodology
13. Electric Machines and Drives
14. Devices and Applications
15. Education
16. Benchmarking (TEAM)

## WORKING LANGUAGE

The working language of the conference is English, which will be used for all printed material, presentations and discussion.

## SUBMISSION AND PUBLICATION OF PAPERS

Authors are invited to submit 2 page digests outlining the theory, method and results for reviewing by the editorial board members. The authors of accepted digests will be invited to present the research work to the Conference and submit 4 page full papers for possible journal publication.

All accepted digests may be published in the conference proceedings. In order to be published in the conference proceedings, each accepted digest requires a paid registration. The full papers presented at the Conference and accepted in a further peer reviewing process will be published in the IEEE Transactions on Magnetics.

## EXHIBITION

We plan to hold an exhibition of software and computer tools for computational electromagnetics, scientific instruments for electromagnetic testing and validation, and electromagnetic devices in conjunction with this conference, providing an opportunity for attendees to examine and discuss available products in detail. This will be of interest to both commercial and academic establishments. Potential exhibitors should contact the organizer (address overleaf) for further information.

## PROGRAM AND REGISTRATION

A provisional program and registration form will be available on the Conference webpage on 1 March 2011. Significant discounts will be offered to ICS members and early bird registrations. Authors of accepted digests must register by 1 June 2011. Full rate on-site registration is available to delegates with no presentation at the Conference.

## INTERNATIONAL COMPUMAG SOCIETY BOARD

Prof. Arnulf Kost (President, Germany), Dr. Bill Trowbridge (Honorary President, UK), Prof. Jan Sykulski (Secretary, UK), Prof. David Lowther (Vice-President (The Americas), Canada), Prof. Norio Takahashi (Vice-President (Asia and Oceania), Japan), Prof. João Pedro Bastos (Secretary (The Americas), Brazil), Prof. Dexin Xie (Secretary (Asia and Oceania), China), Prof. Raffaele Albanese (Italy), Prof. Piergiorgio Alotto (Italy), Dr. Oszkar Biro (Austria), Dr. Patrick Dular (Belgium), Prof. Chang-Seop Koh (Korea), Mr. Behzad Forghani (Canada), Prof. Herbert de Gerssem (Belgium), Prof. Kay Hameyer (Germany), Prof. Nathan Ida (USA), Prof. Hajime Igarashi (Japan), Prof. Hyung-Kyo Jung (Korea), Dr. Jun Wei Lu (Australia), Prof. Jaime Ramirez (Brazil), Dr. Zhuoxiang Ren (USA), Dr. Stephan Russenschuck (Switzerland), Dr. Sheppard Salon (USA), Dr. Viviane Cristine Silva (Brazil), Prof. Qingxin Yang (China), Prof. Jianguo Zhu (Australia).

## CONFERENCE ORGANIZERS

Prof. Jianguo Zhu (General Chairman), University of Technology, Sydney, Australia  
Prof. Junwei Lu (General Co-Chairman), Griffith University, Australia  
Prof. Andrew Nafalski (General Co-Chairman), University of South Australia, Australia

Prof. Norio Takahashi (Editorial Board Chairman), Okayama University, Japan  
Dr. Youguang Guo (Editorial Board Co-Chairman), University of Technology, Sydney

Dr. David Dorrell (Secretariat), University of Technology, Sydney

## CONFERENCE WEBSITE

[www.compumag2011.com](http://www.compumag2011.com)

## ENQUIRY

For conference organization, [secretariat@compumag2011.com](mailto:secretariat@compumag2011.com)

For publication, [editorial@compumag2011.com](mailto:editorial@compumag2011.com)