

## About ICCM

The ICCM is an international conference providing an international forum for exchange ideas on recent advances in areas related to computational methods, numerical modelling & simulation, as well as their applications in engineering and science. It will accommodate presentations on a wide range of topics to facilitate inter-disciplinary exchange of ideas in science, engineering and related disciplines, and foster various types of academic collaborations.

The conference series were originated in Singapore in 2004 by Professor GR Liu, followed by ICCM2007 in Hinoshima, Japan, ICCM2010 in Zhanjiajie, China, and ICCM2012 in Gold Coast, Australia. We are looking forward to seeing you all in ICCM2014 in Cambridge, England.

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# ICCM-2014

28-30 July, 2014, Cambridge, England

## The 5th International Conference on Computational Methods (ICCM2014)

28-30 July, 2014, Cambridge, England

<http://www.sci-en-tech.com/ICCM>

**Organizer**

**University of Liverpool**

**Honorary Chairmen**

Gui Rong Liu, Mingwu Yuan  
Andy Long, Dai Ning Fang

**Conference Chairman**

Zhong Wei Guan

**Co-Chairmen**

Hiroshi Okada, Feng Xi-Qiao, Sung-Kie Youn,  
Weihong Zhang, Ming Li, Yuantong Gu

**Conference Local Committee Co-Chairmen**

Ivan Au, Michael Beer, Shuguang Li, Carlo Sansour, Jianqiao Ye



Welcome

The 5th International Conference on Computational Methods (ICCM2014) will be held in Cambridge, England from 28 to 30 July 2014. The organization team would like to welcome all scholars worldwide working on computational mechanics and numerical modelling to exchange breakthrough and ideas on the latest research in areas related to computational methods, numerical modelling & simulation, as well as their applications in engineering and science.

## Themes

The scope of ICCM 2014 will be broad, covering theory, algorithm, programming, coding, numerical simulation, High Performance Computing techniques, error and uncertainty analysis and/or novel applications of computational techniques to problems in engineering, science, and other disciplines related to computations. Topics include but not limited to:

- Computational mechanics for solids and structures
- Computational Fluid dynamics
- Computational heat transfer
- Computational mathematics
- Computational biology
- Computational meso/micro/nano Mechanics
- Computational uncertainties
- Meshless/Meshfree/Particle methods
- Advanced finite element/difference/volume methods
- Boundary element methods
- Molecular and quantum methods
- Computational Rheology
- Multi-scale methods
- Inverse problem
- Optimization
- Health monitoring
- Uncertainty analysis
- Validation and verification
- Development of software for numerical simulation
- Computational techniques for applications in engineering, science, and other disciplines
- High-performance computing techniques
- Data intensive computing techniques
- Others

## Call for paper

Authors are invited to submit papers on any of the above or related topics. All papers accepted for publication in the proceedings will be subject to a full peer review. Only paper registered and presented at the ICCM2014 will be included in the Proceedings. A number of papers will be selected and invited to be developed into a full journal paper for publication in special issues of SCI and/or EI journals.

## Deadlines

Registration Start on:	1 October, 2013
Minisymposium submission due:	15 January, 2014
Deadline for submitting abstracts:	31 March, 2014
Notification of acceptance of abstracts:	15 April, 2014
Deadline for submitting full papers:	30 April, 2014
Deadline for Early-Bird payment:	30 April, 2014
Notification of acceptance of full papers:	15 May, 2014
Deadline for regular payment:	31 May, 2014
Deadline for submitting final full papers:	15 June, 2014
Deadline for registration on-site payment:	15 June, 2014
Conference dates:	28-30 July, 2014

## Updated Information

Updated information on technical sessions, keynote and invited lectures, registration fees, paper preparation, accommodations and other related affairs will be posted on the conference web site:

[www.sci-en-tech.com/ICCM](http://www.sci-en-tech.com/ICCM).

## Cambridge

Cambridge is a picturesque university city in England located 50 miles from London. Cambridge is well known for its historic university, with famous colleges such as Kings College. Visiting college buildings and walking along the beautiful river banks will provide a unique and unforgettable experience.

(<http://www.visitcambridge.org/things-to-do/architecture-and-heritage>)  
(<http://www.cambridgetouristinformation.co.uk/>).