

The Fifth International Conference on Formal Engineering Methods (ICFEM'03)

Singapore, 5-7 November 2003

<http://nt-appn.comp.nus.edu.sg/fm/icfem2003/>

CONFERENCE CO-CHAIRS

Jifeng He, IIST United Nations U
P.S. Thiagarajan, National U of Singapore

PROGRAM CO-CHAIRS

Jin Song Dong, National U of Singapore
Jim Woodcock, U of Kent

PROGRAM COMMITTEE

Vasu Alagar, Concordia U, CA
Richard Banach, U of Manchester, UK
Jonathan Bowen, South Bank U, UK
Manfred Broy, Technical U of Munich, GE
Michael Butler, U of Southampton, UK
Ana Cavalcanti, U of Kent, UK
Dan Craigen, ORA, CA
Jim Davies, Oxford U, UK
Jin Song Dong, National U of Singapore, SG
Kai Engelhardt, U of New South Wales, AU
John Fitzgerald, Transitive Tech Ltd., UK
Marc Frappier, U of Sherbrooke, CA
Andy Galloway, U of York, UK
Kyo Chul Kang, Pohang U of Sci & Tech, KR
Kung-Kiu Lau, U of Manchester, UK
Shaoying Liu, Hosei U, JP
Zhiming Liu, United Nations U, Macau, CN
Hui-min Lin, Chinese Academy of Sci, CN
Peter Lindsay, U of Queensland, AUS
Brendan Mahony, Defense Sci&Tech Org, AU
Huaikou Miao, Shanghai U, CN
Jeff Offutt, George Mason U, USA
Richard Paige, U of York, UK
Abhik Roychoudhury, National U of Singapore, SG
Motoshi Saeki, Tokyo Inst. of Tech, JP
Augusto Sampaio, U F' De Pernambuco, BR
Thomas Santen, Technischen U of Berlin, GE
Klaus Dieter Schewe, Massey U, NZ
Wolfram Schulte, Microsoft Research, USA
Graeme Smith, U of Queensland, AU
Paul Swatman, Stuttgart Inst Man&Tech, GE
Kenji Taguchi, U of Bradford, UK
Sofiene Tahar, Concordia U, CA
T.H. Tse, U of Hong Kong, CN
Farn Wang, National Taiwan U, TW
Wang Yi, Uppsala U, SE
Jim Woodcock, U of Kent, UK
Hongjun Zheng, Semantics Designs Inc, USA
Hong Zhu, Oxford Brookes U, UK

PUBLICITY CHAIRS

Shengchao Qin, National U of Singapore
Zongyan Qiu, Peking U

LOCAL ORGANIZING COMMITTEE

Chair:

Martin Henz, National U of Singapore

Registration:

Hugh Anderson, National U of Singapore

Webmaster:

Hai Wang, National U of Singapore

Formal methods for developing computing systems have been extensively researched and their use in industry is increasing. Recent applications to the development of mission-critical, safety-critical and security-critical systems have significantly increased trustworthiness, without increasing overall development costs.

The challenge now is to achieve general acceptance of formal methods (FM) as a part of industrial development of high quality systems, particularly trusted systems. More needs to be known about merging formal methods into industrial engineering practice, including new and emerging practice. This includes increasing productivity of formal engineering methods, for example through improved tool support.

ICFEM 2003 aims to bring together researchers and practitioners from industry, academia, and government to advance the state of the art in formal engineering methods and to encourage wider uptake of formal methods in industry. Submissions related to the following principal themes are encouraged, but any topics relevant to the field of formal methods and their support environments will also be considered:

- Assessment of formal methods
- CASE tools for Formal Methods
- FM for embedded and hybrid system
- FM for software components
- Formal modeling techniques
- Linking FM with other methodologies
- Management based on FM
- Model checking and theorem proving
- Novel applications of FM
- Rigorous review
- Software process with FM
- Specification evolution and refinement
- Technology transfer of FM
- Testing based on formal specifications
- Validation of formal specifications
- XML/Semantic-Web with FM

KEYNOTE SPEAKERS

Ian Hayes, U of Queensland, Australia

Mathai Joseph, Tata Research Development & Design Centre, India

Colin O'Halloran, QinetiQ, UK

IMPORTANT DATES

Submission of draft paper: 30th May, 2003

Notification of acceptance: 14th July, 2003

Final copy for Proceedings: 8th August, 2003

ICFEM2003 in Singapore: 5th-7th November, 2003

SUBMISSION GUIDELINES

The ICFEM 2003 Program Committee selects original technical papers for publication in the proceedings of the conference to be published by Springer in its **Lecturer Notes in Computer Science** series. See <http://www.springer.de/comp/lncs/index.html> for details.

All contributions will be reviewed and evaluated based on originality, technical quality, and relevance to the scope of the conference. Papers should not exceed twenty pages in LNCS format: see

<http://www.springer.de/comp/lncs/authors.html> for details.

Online submission is now available through the submission website:

<http://www-appn.comp.nus.edu.sg/~rpfm/cyberchair/public.html/>

Some selected best papers may be considered for a special issue in the Formal Aspects of Computing journal (Springer).