

# ISAAT 2009

September 27 - 30, 2009

For further information and registration details, please contact the Symposium Secretariat by email or fax, or by completing and returning the form below to:

**Prof. Libo Zhou (Japan)**

Dept. of System Engineering, Ibaraki University  
Nakanarusawa 4-12-1, Hitachi 316-8511, Japan  
TEL/FAX (+81) 294-38-5217  
E-mail: [lbzhou@mx.ibaraki.ac.jp](mailto:lbzhou@mx.ibaraki.ac.jp)

**Prof. Xipeng Xu (China)**

Huaqiao University  
Tel: +86-595-2269 3598, Fax: +86-595-2269 2667  
E-mail: [xpxu@hqu.edu.cn](mailto:xpxu@hqu.edu.cn)

**Prof. Han Huang (The rest of the world)**

School of Engineering, University of Queensland  
Tel: +61-7-3365 3583, Fax: +61-7-3365 4799  
Email: [han.huang@uq.edu.au](mailto:han.huang@uq.edu.au)

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Country \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Please send further information

I will submit a paper

## REGISTRATION

Delegate: \$700 AUS  
Student: \$450 AUS  
Late registration: \$850 AUS on / after June 1, 2009

A delegate registration covers the costs of conference proceedings, welcoming reception, banquet, morning and afternoon refreshments, attendance to all technical sessions, lunches and conference tour. A student registration is not entitled to attend banquet and conference tour.

## PAPER PRESENTATION & PUBLICATION

All papers will be peer reviewed. Accepted papers MUST be presented. Each delegate may present up to two papers (a publication fee will apply for the second paper). The conference proceedings will be published as special volumes in an EI indexed international journal: **Advanced Materials Research**. Selected papers will be published in special issues of other international journals currently under discussion.

## ACCOMMODATION

### Surfers Paradise, Gold Coast, Australia

Information of hotels at different star ratings will be available on the conference webpage.

## TRAVEL INFORMATION

Public transport is available and convenient at the Brisbane International Airport. For example, coaches depart from the Airport to Gold Coast every half an hour. Coaches are also available from Gold Coast domestic airport to Surfers Paradise.

## SYMPOSIUM SECRETARIAT

**Libo Zhou (Japan)**

Dept. of System Engineering, Ibaraki University  
Nakanarusawa 4-12-1, Hitachi 316-8511, Japan  
Tel/Fax +81-294-38-5217  
E-mail: [lbzhou@mx.ibaraki.ac.jp](mailto:lbzhou@mx.ibaraki.ac.jp)

**Xipeng Xu (China)**

Huaqiao University  
Tel: +86-595-2269 3598, Fax: +86-595-2269 2667  
E-mail: [xpxu@hqu.edu.cn](mailto:xpxu@hqu.edu.cn)

**Han Huang (The rest of the world)**

School of Engineering, University of Queensland  
Tel: +61-7-3365 3583, Fax: +61-7-3365 4799  
Email: [han.huang@uq.edu.au](mailto:han.huang@uq.edu.au)

For conference details, updates, and downloadable documents, visit the conference website at

<http://www.mech.uq.edu.au/isaat2009/>

# Call for Papers

## ISAAT 2009

The 12<sup>th</sup> International Symposium on  
Advances in Abrasive Technology

27-30 September 2009

Gold Coast, Queensland, Australia



Sponsored by

International Committee for Abrasive Technology (ICAT)  
The Japan Society for Abrasive Technology (JSAT)



Co-organised by

The University of Queensland, Australia (UQ)  
The University of Sydney, Australia (USyd)  
The University of New South Wales, Australia (UNSW)  
University of Wollongong, Australia (UOW)  
Ausinan Science & Technology Society (ASTS)

## HISTORY & SCOPE

The International Symposium on Advances in Abrasive Technology (ISAAT) was first held in Sydney, Australia in 1997. Since 2002, JSAT and ICAT have been jointly organising this exciting annual event for this community and the symposia have been successfully held in US, China, Russia, UK, Turkey, Korea and Japan. An emphasis of the ISAAT series is to bring together both academic researchers and industrial practitioners from around the world for the interchange of the latest developments and applications in abrasive technologies. The ISAAT2009 at Gold Coast, Australia, will continue to promote the discipline development and research collaboration, and to foster the growth of young engineers and researchers in the field.

## Areas of Interest

The Symposium invites papers in the following areas relevant to the Symposium theme, but papers in other related areas will also be considered:

- Abrasive erosion
- Abrasive jet machining
- Advanced cutting technology
- Beam-aided processes
- Brittle material machining, wafer processing
- Coolants and cooling
- Design, fabrication and analysis of devices for the applications of abrasive technologies
- Eco-machining
- EDM, ultrasonic machining, and laser machining
- Finishing, lapping, and polishing
- Grinding wheel and abrasive grain technologies
- High speed and high-efficiency machining
- In-process measurement and monitoring, metrology
- Machine tools and systems, tooling processing
- Micro/nano-machining
- Surface integrity and materials characterization
- Tribology in manufacturing
- Truing, dressing, and ELID

## Paper Submission

- Papers must be written in English, and must **NOT** exceed **6** proceedings pages.
- Each paper must be formatted according to the **Instructions for Authors** available in the ISAAT2009 webpage, and submitted individually by email to the Symposium Secretaries.

## IMPORTANT DATES IN 2009

**Jan. 28**.....Deadline for full paper submission  
**Mar. 31** .....Notification to authors of paper acceptance  
**Apr. 28**.....Final submission of revised papers  
**May 31**.....Conference registration payment deadline  
**Sep. 27**.....Conference registration and reception  
**Sep. 28-29**.....Technical sessions  
**Sep. 30** .....Conference tour

## COMMITTEES

### Conference Chairman

L.C. Zhang University of Sydney, Australia

### Conference Co-Chairmen

H. Huang University of Queensland, Australia  
T. Kuriyagawa Tohoku University, Japan  
J. Wang University of New South Wales, Australia

### ORGANIZING COMMITTEE

#### Chairman

H. Huang University of Queensland, Australia

#### Co-Chairmen

Z.Y. Jiang University of Wollongong, Australia  
X.P. Xu Huaqiao University, China  
L. Zhou Ibaraki University, Japan

#### Members

D. Butler Nanyang Technological University, Singapore  
C.-C.A. Chen National Taiwan University of Sci. & Tech., China  
P. Jacobs University of Queensland, Australia  
R.K. Kang Dalian University of Technology, China  
X. Li CSIRO, Australia  
J. Shimizu Ibaraki University, Japan  
J.W. Yan Tohoku University, Japan  
S.H. Yin Hunan University, China  
N. Yoshihara Tohoku University, Japan

### SCIENTIFIC COMMITTEE (Including ICAT members)

#### Chairman

L.C. Zhang University of Sydney, Australia

#### MEMBERS

J.P. Davim University of Aveiro, Portugal  
H.J. Du Nanyang Technological University, Singapore  
F.Z. Fang Tianjin University, China  
W. Gao Tohoku University, Japan  
Z.N. Guo Guangdong University of Technology, China  
C.Z. Huang Shandong University, China  
M. Jackson Purdue University, USA  
W.B. Lee Hong Kong Polytechnic University, China  
X.P. Li National University of Singapore, Singapore  
S. Liang Georgia Institute of Technology, USA  
P. Mathew University of New South Wales, Australia  
S. Melkote Georgia Institute of Technology, USA  
Y.M. Rong Worcester Polytechnic Institute, USA  
A. Shih University of Michigan, USA  
K. (Subbu) Subramanian Saint-Gobain Abrasives, USA  
W.H. Sun Jinan Iron & Steel Co., China  
J. Sung Kinik Taiwan, China  
M. Veidt University of Queensland, Australia  
G.D. Wang Northeast University, China  
Q.S. Yan Guangdong University of Technology, China  
H.Y. Zheng Singapore Institute of Manufacturing Technology  
Z.X. Zhou Hunan University, China

## ICAT MEMBERS (\*Founding member)

### Chairman

T. Kuriyagawa\* Tohoku University, Japan

### Vice Chairmen

S.C. Salmon\* Next Generation Technology Group Inc. USA  
J. Wang\* University of New South Wales, Australia

### Secretariat

L. Zhou\* Ibaraki University, Japan

K. Suzuki\* Emeritus Chair, Nippon Institute of Tech, Japan  
J. Tamaki\* Immediate past chair, Kitami Institute of Tech, Japan

### Members

E. Brinksmeier IWT, University of Bremen, Germany  
M. Chen Shanghai Jiao Tong University, China  
X. Chen\* University of Huddersfield, UK  
K. Cheng Brunel University, UK  
H.Z. Choi\* Korea Institute of Industrial Technology, Korea  
B. Denkena IFW, Leibniz Universität Hannover, Germany  
H. Gao Dalian University of Technology, China  
Y. Gao\* Hong Kong University of Science & Technology, China  
D.M. Guo Dalian University of Technology, China  
A. Hirata Tokyo Institute of Technology, Japan  
M. Hitchiner Saint-Gobain Abrasives, USA  
H. Huang University of Queensland, Australia  
R.K. Kang Dalian University of Technology, China  
K. Kitajima\* Kansai University, Japan  
M.N. Morgan\* Liverpool John Moores University, UK  
T.R.A. Pearce University of the West of England, UK  
D.J. Stephenson Cranfield University, UK  
H. Suzuki Kobe University, Japan  
K. Tanaka\* Toshiba Machine Company, Ltd., Japan  
T. Tawakoli Hochschule Furtwangen University, Germany  
A.A. Torrance Trinity College Dublin, Ireland  
P.L. Tso\* National Tsing Hua University, China  
T. Uematsu\* Toyama Prefectural University, Japan  
D. Walker University College London, UK  
C. Wang\* Guangdong University of Technology, China  
J.A. Webster Cool-Grind Technologies, USA  
X. Xu\* Huaqiao University, China  
H. Yamaguchi University of Florida, USA  
J. Yan Tohoku University, Japan  
N. Yasunaga\* Tokai University, Japan  
A. Yui National Defense Academy, Japan  
B. Zhang University of Connecticut, USA  
F. Zhang\* Harbin Institute of Technology, China  
L.C. Zhang University of Sydney, Australia

<http://www.mech.uq.edu.au/isaat2009/>