

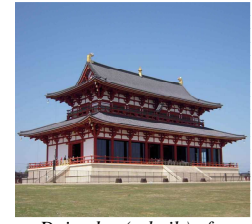


Great Buddha Hall of Todaiji

16th International Graphonomics Society Conference (IGS2013)

Nara, JAPAN, June 10-13, 2013

www.graphonomics.org/igs2013/



Daiguden (rebuilt) of
Heijo Palace Site

CALL FOR PARTICIPATIONS

General Chair

Masaki Nakagawa
Tokyo University of Agriculture and
Technology, Japan

Advisory

Annie Vinter
University of Bourgogne, France

Program Committee

Jose Luis Contreras-Vidal
University of Houston, USA

Claudio De Stefano
University of Cassino, Italy

Heidi Harralson
Spectrum Consultants, USA

Koichi Kise
Osaka Prefecture University, Japan

Toshiyuki Kondo
Tokyo University of Agriculture and
Technology, Japan

Marcus Liwicki (Chair)
German Research Center for Artificial
Intelligence, Germany

Angelo Marcelli
University of Salerno, Italy

Rejean Plamondon
Ecole Polytechnique, Canada

Hans-Leo Teulings
NeuroScript, USA

Arend Van Gemmert
Louisiana State University, USA

Bilan Zhu (Co-chair)
Tokyo University of Agriculture and
Technology, Japan

Local Arrangement Committee

Akihito Kitadai (Chair)
J.F. Oberlin University, Japan

Seiji Hotta
Tokyo University of Agriculture and
Technology, Japan

Takeshi Nagasaki
Hitachi Central Research Lab., Japan

Hiroshi Tanaka
Fujitsu Lab., Japan

Akihiro Watanabe
Nara National Research Institute for
Cultural Properties, Japan

Important dates:

Early registration: March 31, 2013

Late registration: May 31, 2013

Venue

The campus of Todaiji Temple (<http://en.wikipedia.org/wiki/Todai-ji>) in Nara, Japan. Todaiji is the largest wooden building in the world. Nara is the ancient capital of Japan and 1.5 hour from the Kansai International Airport. Visit <http://narashikanko.jp/en/>.

Theme

The Conference theme is “**Learn from the Past**”, and will be a single-track international forum for discussion on recent advances in the fields of science, humanities, arts and technology of Graphonomics.

Topics

Neuro science and Brain science: Development, planning, control, learning and adaptation of grasping, writing & drawing movements; Neuroimaging; Brain mapping.

Computational models: Biomechanical models; Cognitive models; Handwriting perception and production; Neural networks.

Forensic science: Handwriting analysis; Handwriting features; Signature verification; Methods; Computer tools.

Pattern recognition: Off-line and on-line handwriting recognition; Writer identification and recognition; Signature verification.

Historical document processing and archiving: Image processing; Document retrieval; Digital museum.

Education: Handwriting evaluation; Teaching/Learning handwriting; Handwriting in education.

Fine arts: Drawing skill evaluation; Teaching/Learning drawing & painting; Writing music; History of writing/drawing in fine arts & music.

Analysis of fine motor control: Recording; Tracking; Processing; Handwriting production; Tools.

Medical applications: Movement disorders; Biomarkers and drugs; Rehabilitation therapies.

Applications: Brain-Machine/Computer Interfaces; Assistive & Rehabilitative robotics; Bio-robotics; Pen & touch-base Interfaces.

Invited talks

• **Is handwriting still relevant in the digital age?**
by Prof. Michael Fairhurst (Professor of Computer Vision at the University of Kent, UK)

• **Dynamic time warping for comparing temporal handwriting trajectories and its recent extensions.**
by Prof. Seiichi Uchida (Professor of Department of Advanced Information Technology at Kyushu University, Japan)

• **Robotics rehabilitation projects based on mutual adaptation.**
by Prof. Hiroshi Yokoi (Professor of Department of Mechanics and Intelligence at the University of Electro-Communication, and Guest Professor of Interfaculty Initiative in Information at The University of Tokyo, Japan)

Further Information

Contact Conference Chair, Prof. Masaki Nakagawa at
nakagawa@cc.tuat.ac.jp

Receive email updates on IGS2013, register for the Member Forum at
www.graphonomics.org (no cost)