15th International Graphonomics Society Conference (IGS2011)

Live Aqua Cancun, MEXICO, June 12-15, 2011

CALL FOR PAPERS

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Important dates:
Paper submission: December 10, 2010
Authors notification: February 1, 2011
Camera-ready version: March 1, 2011
Author registration: March 1, 2011
Hotel reservation: March 1, 2011

- *At least one author for each accepted paper must register for the conference for the paper to appear in the published Proceedings.*
- *Selected papers will be published in Special Issues in* ***Computers in Biology and Medicine*** *and* ***Human Movement Science****.*

General Information

IGS2011 is the 15th Biennial Conference of the International Graphonomics Society and will take place in Live Aqua Cancun (http://www.feel-aqua.com/) along the Mayan coast of Mexico, between 12th and 15th June 2011.

The Conference theme is "**Translational Graphonomics**", and will be a single-track international forum for discussion on recent advances in the fields of science, humanities, arts and technology of fine motor skills.

Topics of interest are:
Brain-mind-machines: Brain-Machine/Computer Interfaces, Rehabilitation robotics, bio-robotics, Optimizing performance
Computational models: Biomechanical models; Cognitive models; Neural network based models;
Pattern recognition: Human reading; Pen computing; On-line and off-line recognition; Writer identification and recognition; Signature verification, Interface technology;
Education & Fine art: Handwriting and drawing skill evaluation; Teaching handwriting; Learning handwriting; History, Art & Music.
Analysis of fine motor control: Recording; Tracking; Processing; Tools;
Neuroscience: Development, planning, control, learning and adaptation of grasping, writing, & drawing movements; Neuroimaging; Brain mapping
Medical applications: Movement disorders; biomarkers and drugs; rehabilitation therapies
Forensic applications: Handwriting features; Signature verification; Methods and Computer Tools (e.g. personnel screening devices, etc.)

Submission details

Submitted papers (4-pages long, see Conference's website for template) should fall in one of the following categories: survey or tutorial, research and on-going research.
Survey or tutorial papers should present the state of the art for any of the topics listed above, possibly focusing on the role that inter-disciplinarity has played in shaping that specific field.
Research papers should describe either theoretical or experimental works that have reached conclusive results.
On-going research papers should describe partial/preliminary results, successful applications of well-known techniques to specific domains, original or enhanced algorithms, or experimental methodologies.

For further information about the Conference, please contact the Conference Chair at pepeum@umd.edu

Or visit
www.graphonomics.org/igs2011