

PRIZES and AWARDS

The Conference Committee will award two special prizes (plus cancellation of conference fees):

- to young engineers (under 35) for the best presentation or poster
- to students for the best graduation thesis or final design project

IASS has established the "HANGAI PRIZE"* for young talented researchers, designers and engineers. The prize will be given to the winners of the international contest of research papers and resumes of the design projects or innovative ideas that are related to the field of shell and spatial structures. The contest will be held several months prior to the IASS annual symposium.

The IASS Hangai Prize committee selects the most innovative papers among the submitted papers and resumes and gives the prize to the authors at the next annual symposium. Both of IASS members and Non-IASS members are welcome to the contest.

Deadline for the "HANGAI PRIZE" June 30 2007 (provisional)

* for further information look at the web site: http://hangai_prize.iis.u-tokyo.ac.jp/

ABOUT IASS

The International Association of Shell and Spatial Structures (IASS) was founded in 1959 by Professor Eduardo Torroja and a group of other prominent pioneers in the field.

The aim of the Association is to achieve further progress through an interchange of ideas among all those interested in lightweight structural system such as lattice, tension, membrane and shell structures. The Association undertakes the following activities:

- organizing annual international symposia on themes of general interest to engineers, architects and builders;
- sponsoring the activities of several Working Groups and publishing their state-of-the-art reports and recommendations on design and construction;
- fostering the organization of one or more Colloquia each year by individual working group;
- publishing an international journal, the journal of IASS, thrice yearly

REGISTRATION FEES

The following registration fees will include: conference proceedings, attendance at all scientific sessions, coffee breaks, reception, lunches and Gala Dinner.

	before 1 st October 2007	after 1 st October 2007
IASS members	500 Euro	580 Euro
invited lecturers	300 Euro	350 Euro
non-IASS members	600 Euro	680 Euro
accompanying persons	300 Euro	350 Euro
Students fees*:	300 Euro	350 Euro

* The student registration fees will include: conference proceedings, attendance at all scientific sessions, coffee breaks, reception, lunches. Tickets for Gala Dinner can be purchased.

Conference secretariat:
Secretariat IASS 2007 - Graziana Tomasella
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Sponsored by:
International Association for Shell and
Spatial Structures (IASS).



IASS 2007 - VENICE - ITALY

Shell and Spatial Structures: Structural Architecture - Towards the future looking to the past

3-6 December 2007

Hilton Molino Stucky - Giudecca

Organized by :
Department of Architectural Construction DCA
University IUAV of Venice - Italy

SECOND ANNOUNCEMENT AND CALL FOR PAPERS (NEW DEADLINE)

OBJECTIVES

Free-form design of shells and spatial structures, strongly influenced by modern IT resources, requires: technological innovation (know-how), to be driven by a confident conceptual design (know what) in a scientific engineering scenario (know why) addressed to re-set the design process reliability assessment due to innovation and complexity of new architectural morphologies.

In fact new architectural design trends, giving prevalence to aesthetic over the static rationality, will land to a future of generalized "free-form-buildings" (FFB) in contrast with the scientific philosophy inherited from Torroja, Maillart, Nervi and others, who designed quite sure that the observing static laws are per se a guarantee for achieved aesthetic results.

In the frame of the actual inter-trans and multidisciplinary design process between architecture and structural engineering, 2007 Venetian Symposium invites professionals, researchers and academics to update the "State of the Art" concerning the classic scientific and technical themes of the IASS.

TOPICS

Conceptual Design:

Design of Shell and Spatial Structures: from the historical shell to free form design; Informatics Technology in Morphology; Form Finding and Optimization Design; Ethics & Aesthetics in Modern Design Tendencies; Structural Architectural Typology

Mechanics and Structural Modelling:

Stability and fracture behaviours; Geometric and Material Nonlinear Analyses; Static and Dynamic Non Linear Structural Response; Wind & Earthquake Engineering; Sensitivity and Reliability Analysis; Structural Optimization

Materials:

New Structural Materials; Material Modelling, Plasticity, Fracture, Damage, Fatigue; Smart Materials

Experimental Analysis and Control Methods:

AI and expert systems; Automation and Monitoring Techniques; Repair and Retrofit; Control & Dynamic Identification Techniques; Failure and Collapse Diagnosis

Case Studies:

Tensegrity, Membrane and Cable Structures; Free-form structures; Innovative Structures; Bridge Engineering; Planning, Financing and Maintenance.

HONORARY BOARD

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* to be confirmed

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TARGET AUDIENCE

- Engineers, Architects and Designer
- Construction companies and Suppliers
- Teachers, researchers and students
- Infrastructure owners

LANGUAGE

English will be the official language and no simultaneous translation will be provided for the technical sessions.

PROCEEDINGS

The proceedings of the symposium will be published in book or CD-ROM and will be available at the time of registration.

KEYNOTES AND INVITED SPEAKERS

A number of distinguished academics and engineers will be invited to deliver lectures related to the above-mentioned topics.

PRELIMINARY REGISTRATION

Those interested in participating in the Symposium are invited to contact the Secretariat.

PAPERS SUBMISSION

Authors are welcome to submit abstracts of about 400 words on anyone of above-mentioned topics.

The full address, fax number and e-mail address of the principal author(s) should be given.

Only papers registered and approved by the Scientific Committee will be included in the Symposium Proceedings.

Both oral presentations and poster sessions will be organized. Due to the numerous requests, the Organizing Committee has decided to postpone the final term for the receipt of the abstract to 30 April 2007.

Submission of one-page abstracts: new deadline: April 30, 2007

Notification of preliminary acceptance: May 31, 2007

Submission of final papers and two-pages extended abstract: July 20, 2007

Notification of final acceptance: September 20, 2007

Abstracts should be sent on electronic format (Microsoft Word or pdf file) by e-mail addresses or in printed version by fax

One-page abstracts should be addressed to: iass2007@iuav.it

Full texts and two-pages extended abstracts should be addressed to: iass2007.paper@iuav.it