



# The 9th Conference SHELL STRUCTURES Theory and Applications

Gdańsk-Jurata, Poland, 14-16 October 2009

organized by

Polish Academy of Sciences - Committee for Civil Engineering

- Section of Structural Mechanics and Materials

Gdansk University of Technology - Faculty of Civil and Environmental Engineering

- Department of Structural Mechanics and Bridge Structures

## CALL FOR PAPERS

### CONFERENCE TOPICS

- The theory and analysis of shells, including:
  - linear and nonlinear theory;
  - constitutive laws;
  - shells and plates with internal microstructure;
  - smart composite structures;
  - membrane and deployable structures
  - active and passive structure control;
  - hybrid and branched structures;
  - beam - shell interaction;
  - stability, dynamics, optimization, reliability, sensitivity, damage, limit load analysis etc.
- Numerical analysis of shell structures and elements, including:
  - numerical methods: FEM, BEM and others;
  - computer modeling and simulation; durability,
  - analysis of nonstandard problems;
  - development of software packages.
- Design and maintenance of shell structures, including:
  - industrial applications in civil, power, mining and mechanical engineering, as well as in automotive, shipbuilding, aerospace and chemical processing industries;
  - shell design codes and procedures (e.g. Eurocode);
  - Computer Aided Design;
  - case studies of various shell structures and failure problems.
- Special surface-related mechanical problems in:
  - material and non-material interfaces,
  - thin micro- and nano-films, biological membranes,
  - liquid crystals, capillarity, contact problems,
  - growth phenomena, shell formfinding etc.

### PUBLICATIONS

All accepted papers (full-length article in English) will appear in the hard-cover volume of Proceedings published by CRC Press / Balkema (Taylor & Francis Group). Details of the full-length article format will be given in the Second Announcement and on the web site.

### REGISTRATION FEE

The registration fee covers access to all plenary sessions, Conference Materials, Get-Together Party, Conference Banquet and coffee breaks.

The regular registration fee will be about **300 EURO**.

For more details visit the Conference web site <http://www.ssta.pg.gda.pl/>

### IMPORTANT DATES

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|---|-------------------|
| • Preliminary registration  | <b>30.11.2008</b> |
| • Second circular distribution                                    | <b>31.12.2008</b> |
| • Submission of full paper  | <b>28.02.2009</b> |
| • Notification of acceptance                                      | <b>31.03.2009</b> |
| • Early final registration (with regular fee)                     | <b>15.05.2009</b> |
| • Final registration for authors of accepted papers <sup>1)</sup> | <b>30.06.2009</b> |

<sup>1)</sup> Final registration before 30.06.2009 is requested from Participants willing to insert their papers in the Conference Book published by the CRC Press / Balkema

### GENERAL INFORMATION

- The Conference program will include general lectures and contributed oral presentations. The main language of the Conference will be English.
- An exhibition of scientific books, journals and software is expected during the Conference.
- Links to websites of the previous SSTA Conferences:
  - <http://www.pg.gda.pl/wil/ssta98/>
  - <http://www.pg.gda.pl/ssta2002/>
  - <http://www.ssta.pg.gda.pl/2005/>

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### ACCOMMODATION

Accommodation is not included in the registration fee. The officially appointed place of the Conference is hotel "Neptun" in Jurata. For details of pricing see the web site <http://www.hotelneptun.pl>. Special discount prices will be offered to Conference participants.

### REGISTRATION

Registration and submission of full-length articles by the web site (<http://www.ssta.pg.gda.pl>) is required. For details please visit our web site or contact the Conference Secretariat.

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### ADDRESS FOR CORRESPONDENCE

SSTA2009 Organizing Committee  
Department of Structural Mechanics and Bridge Structures  
Faculty of Civil and Environmental Engineering  
Gdansk University of Technology  
ul. G. Narutowicza 11/12  
80-952 Gdańsk, POLAND

<http://www.ssta.pg.gda.pl/>  
E-mail: [ssta@wilis.pg.gda.pl](mailto:ssta@wilis.pg.gda.pl)  
Phone: +48-58-347-21-74,  
Fax: +48-58-347-16-70.