

Conference Site

Warsaw, the capital city of Poland, is located in the very centre of Europe. Here one can find influence and mixture of western and eastern cultures. Extraordinary history of the city has made it a multicultural and very interesting place. Metropolitan architecture borders with many parks, squares and gardens. Frederic Chopin Airport is situated only 10 kilometres from the conference venue. Polish airlines LOT are the member of Star Alliance which serves connections with over 850 airports in more than 150 countries all over the World. The airport has a bus terminal where one can take the bus "175" to the city centre and the conference venue.



The Conference will take place in The Old Library of Warsaw University, ul. Krakowskie Przedmieście 24. The Warsaw University Library was built in 1894 and at that time it was very modern. Recently the Library has been renovated and turned into a conference centre.

Accommodation

Accommodation is not included in the Conference fee.

A variety of hotels of various standards and convenient locations in Warsaw can be advised by Official Conference Travel Agency. Accommodation for participants of the conference is offered at special conference rates. For detailed information about the hotels' locations, room standards and prices visit the [Global Wings web page](http://www.globalwings.pl).

Registered participants may reserve rooms at these hotels after [login](#).



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**INSTITUTE OF FUNDAMENTAL
TECHNOLOGICAL RESEARCH**
and
COMMITTEE ON MECHANICS
Polish Academy of Sciences

37th SOLID MECHANICS CONFERENCE



Warsaw, Poland
September 6-10, 2010



SECOND ANNOUNCEMENT

<http://solmech2010.ippt.gov.pl/>

General

This Conference is the 37th in a series of international Solid Mechanics Conferences (SolMech) continuing a long tradition going back to 1953. It is organized regularly, recently every two years, by the Institute of Fundamental Technological Research under the auspices of Committee for Mechanics, both of the Polish Academy of Sciences. Contributions concerning the fundamentals of solid mechanics (including experimental, theoretical and numerical methods) or applications in analysis of phenomena occurring in advanced materials, structures and systems are invited for presentation.

Thematic Sessions and Chairmen

Micromechanics, Interfaces and Multi-Scale Modelling:
A. Bertram (Germany) & S. Stupkiewicz (IPPT, Poland),

Fracture, Damage and Fatigue of Materials:
A. Rinaldi (Italy) & M. Basista (IPPT, Poland),

Continuum Mechanics, Elasticity and Plasticity:
B. Svendsen (Germany) & P. Perzyna (IPPT, Poland),

Experimental Mechanics (in memory of Prof. W.K. Nowacki):
A. Rusinek (France) & R. Pęcherski (IPPT, Poland),

Biomechanics:
B. v. Rietbergen (Netherlands) & R. Będziński (Poland),

Geomechanics:
Z. Mróz (IPPT, Poland) & J. Tejchman (Poland),

Smart Materials and Structures:
H. Tobushi (Japan) & J. Holnicki-Szulc (IPPT, Poland),

Structural Mechanics and Optimization:
K. Dems (Poland) & W. Gutkowski (IPPT, Poland),

Shells and Plates:
W. Pietraszkiewicz (Poland) & K. Wiśniewski (IPPT, Poland),

Computational Aspects of Solid Mechanics:
B. Schrefler (Italy) & T. Burczyński (Poland),

Nonlinear and Stochastic Dynamics:
R. Iwankiewicz (Germany) & Z. Kotulski (IPPT, Poland).

Invited Plenary Lectures (*tentative titles*)

Kaushik Bhattacharya, USA
The mechanics of shape-memory alloys

Walter J. Drugan, USA
Elastic composite materials having a non-positive-definite phase properties

François Hild, France
Three dimensional experimental and numerical analyses of fatigue cracks

Raymond W. Ogden, UK
Structure and mechanical properties of soft biological tissues

Błażej Skoczeń, Poland
Plasticity at cryogenic temperatures. Experiments, constitutive models and applications

Paul Steinmann, Germany
Recent advances in modelling and simulation of curing polymer adhesives

Qingping Sun, Hong Kong, China
The role of time and length scales in the phase transition behavior of shape memory alloys

Andrzej Tylikowski, Poland
Qualitative methods of structure dynamics

Abstracts

Abstracts should be submitted electronically on-line via <http://solmech2010.ippt.gov.pl/>. Two-page camera-ready extended abstracts in English with the title, author's name and affiliation are due by **February 28, 2010**.

Abstract templates are available at the Conference web page. Authors will receive notification of acceptance of their proposed contribution, **in the oral or poster form**, after a reviewing procedure. A book of abstracts will be distributed to participants during the conference. An abstract will only be printed if the presenting author has registered for the Conference.

We will encourage all the authors to submit **full length papers** after the Conference for publication in [Archives of Mechanics](#). After a usual reviewing procedure the accepted papers will be published in a special issue of the journal.

Scientific Committee

M. Basista	J. Kubik	M. Pietrzyk
A. Borkowski	T. Łodygowski	B. Raniecki
T. Burczyński	Z. Mróz	K. Sobczyk
K. Dems	W.K. Nowacki	W. Sosnowski
P. Dłużewski	J. Orkisz	S. Stupkiewicz
A. Garstecki	J. Pamin	G. Szefer
W. Gutkowski	P. Perzyna	J. Tejchman
M. Kleiber	H. Petryk	A. Tylikowski
W. Kosiński	R. Pęcherski	
Z. Kotulski	W. Pietraszkiewicz	

Organizing Committee

H. Petryk – Chairman of the Conference
M. Skłodowski – Scientific Secretary
J. Lengiewicz, P. Kowalczyk,
A. Łyszkiewicz, U. Czubacka – Secretaries

Registration

Registration for the Conference should be performed on-line using the registration form available at the conference web page <http://solmech2010.ippt.gov.pl/>. Please note that each registered author is entitled to one presentation only.

Conference Fee

The registration fee is payable in PLN and depends on the payment date. Payments made after May 31, 2010 are subject to surcharge of 200 PLN.

Registration fee includes:

- welcome party, participation in all sessions, coffee and beverages during two breaks each day, lunches, a concert, Warsaw sightseeing
- conference materials (except accompanying persons)
- Gala Dinner (excluding standard fee).

Registration fees (before May 31, 2010) are:

Standard	1230 PLN	Full *	1460 PLN
Student**	870 PLN	Accomp. person*	750 PLN

* includes the Gala Dinner,

** limited number – see the web page.

Additional programme for accompanying persons is included in the fee.

The registration fee does not include accommodation.