

General

The Solid Mechanics Conferences have been organized by the Institute of Fundamental Technological Research since 1953. The Conferences have maintained high scientific standard and served as a forum for the exchange of ideas and research information. Traditionally, invited lectures have been presented by outstanding researchers at these Conferences. The aim of the Conference is to bring together researchers from different countries and to create for them the possibility for the presentation and discussion of scientific results from a wide area of solid mechanics.

Thematic Sessions and Chairmen

Micromechanics, Interfaces and Multi-Scale Modelling:
S. Meguid (Canada) & H. Petryk (Poland)

Fracture, Damage and Fatigue of Materials:
D.R. Hayhurst (UK) & Z. Nowak (Poland)

Continuum Mechanics, Elasticity and Plasticity
(Special Session in Memory of Prof. Piotr Perzyna):
H. Altenbach (Germany), B. Skoczeń (Poland) & R. Pęcherski (Poland)

Experimental Mechanics (Special Session in Memory of Prof. Wojciech Szczepiński):
N. Gupta (India) & A. Rusinek (France)

Mechanics of Composites, Porous Media:
P. Kowalczyk (Poland) & J. Rojek (Poland)

Geomechanics:
Z. Mróz (Poland), S. Pietruszczak (Canada) & J. Tejchman (Poland)

Smart Materials and Structures:
H. Tobushi (Japan) & E. Pieczyska (Poland)

Structural Mechanics, Optimization and Reliability Analysis:
J. Holnicki-Szulc (Poland) & T. Szolc (Poland)

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

Computational Aspects of Solid Mechanics:
J. Eberhardsteiner (Austria) & T. Burczyński (Poland)

Dynamics of Solids and Structures:
R. Iwankiewicz (Germany) & Z. Kotulski (Poland)

Invited Plenary Lectures

Prof. Holm Altenbach, Germany
Mechanics of Nanostructures

Prof. Josef Eberhardsteiner, Austria
Mechanical Behaviour of Wood – a Bridge from Microstructure to Structural Applications by Means of Computational Methods

Prof. Narinder Gupta, India
Some Aspects of Large Deformations of Structures under Dynamic Loading

Prof. David Hayhurst, UK
High-temperature Continuum Damage Mechanics. Simulation of Materials and Components from Processing and Manufacture to Component Performance

Prof. Shaker Meguid, Canada
Multiscale Modelling of Multifunctional Nanocomposites for Aerospace Applications

Prof. Ryszard Pęcherski, Poland
Plastic Flow and Failure of Solids. Modelling Across Scales

Prof. Krzysztof Wiśniewski, Poland
Recent Improvements in Mixed/Enhanced Shell Elements with Drilling Rotation

Prof. Ramon Zaera Polo, Spain
Deformation of Dynamically Phase Transforming Metals in Adiabatic Conditions: Thermal Effects and Instabilities

Abstracts

Abstracts should be submitted electronically on-line via <http://solmech2014.ippt.pan.pl/>. Two-page camera-ready extended abstracts in English in accordance with the Word template are due by **March 21, 2014**.

We encourage all authors to submit **full length papers** after the Conference for publication in *Archives of Mechanics* or *Engineering Transactions*. The papers will be subjected to the usual peer-review procedure.

Scientific Committee

J. Badur	P. Kowalczyk	W. Pietraszkiewicz
M. Basista	Z. Kowalewski	M. Pietrzyk
A. Borkowski	J. Kubik	J. Rojek
T. Burczyński	T. Łodygowski	B. Skoczeń
P. Dłużewski	Z. Mróz	S. Stupkiewicz
W. Gutkowski	A. Nowicki	G. Szefer
J. Holnicki-Szulc	P. Perzyna	J. Tejchman
M. Kleiber	H. Petryk	A. Tylikowski
W. Kosiński	R. Pęcherski	K. Wiśniewski
Z. Kotulski	E. Pieczyska	

Organizing Committee

Zbigniew Kowalewski – Chairman of the Conference
Zbigniew Ranachowski – Scientific Secretary
Agnieszka Rutecka, Joanna Żychowicz-Pokulniewicz, Jacek Wiśniewski, Dominik Kukła, Paweł Grzywna, Tomasz Libura – Managing Assistants
Urszula Czubacka – Secretary

Registration

Registration for the Conference should be performed on-line using the registration form available at <http://solmech2014.ippt.pan.pl/>

Conference Fee

Registration fee:	before 31.05.2014	after 31.05.2014
Full	1800 PLN	2050 PLN
Student	1200 PLN	1450 PLN
Accompanying person	800 PLN	800 PLN

Registration fee includes:

- welcome reception, gala dinner, lunches, coffee and beverages during two breaks each day,
- admission to all sessions, conference materials,
- tour around Zakopane.

Student fee is eligible for junior scientists who have submitted an abstract and the Young Researcher Application Form, which should be sent to the Chairman of the Conference before May 31, 2014.

Venue

The conference will take place in the Hotel Belvedere, ul. Droga do Białego 3, Zakopane, near the Tatra National Park, 10 minutes walk from the town centre. John Paul II International Airport in Cracow-Balice is situated 100 km from Zakopane. Instructions how to reach Zakopane will be available on the Conference website.



Zakopane is located at the foot of the Tatra Mountains. It is famous for its breath-taking views, beautiful unspoilt nature, delicious food, folk music, architecture, and art.

Marian Smoluchowski, an outstanding Polish theoretical physicist, great intellectual personality, and Tatra mountaineer performed many of his scientific works here.



Marian Smoluchowski (1872-1917)

"All people, who personally knew Smoluchowski closer, loved in him not only a brilliant researcher, but also a noble, sensitive and friendly man" - Albert Einstein

Preliminary Conference Programme

Participants Registration will begin on Sunday, 31st August at 4 p.m. Welcome Reception: Sunday, 31st August at 6 p.m.

Opening Session will start on Monday, 1st September at 9 a.m.

Gala Dinner: Thursday, 4th September at 8 p.m.

The conference closure is planned on Friday, 5th September at 2 p.m.

Accommodation

Accommodation is not included in the Conference fee. A variety of hotels of different standards and convenient locations in Zakopane can be advised by the Conference Partner - Global Wings. Special conference rates are offered for rooms at selected hotels. Detailed information about the hotels location, room standards and prices can be found on the Conference website.

Registered participants may reserve rooms at these hotels after login.

Contacts

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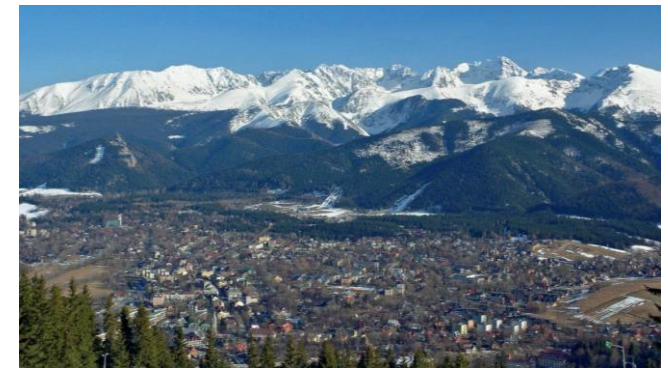


**Institute of Fundamental
Technological Research
and
Committee on Mechanics**

39th SOLID MECHANICS CONFERENCE



**Zakopane, Poland
September 1-5, 2014**



SECOND ANNOUNCEMENT
<http://solmech2014.ippt.pan.pl/>