

## Location

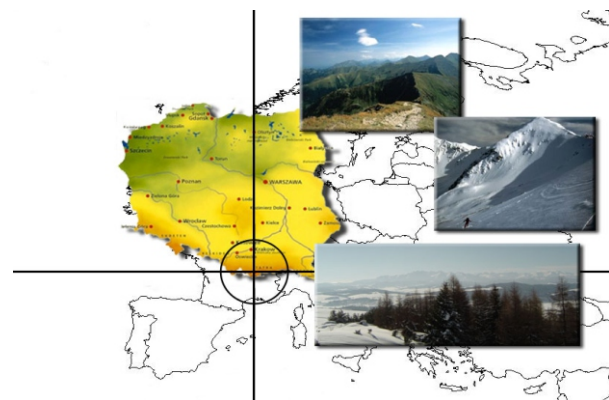
Zakopane is situated in southern Poland, about 100 km to the south of Kraków, close to the border with Slovakia. It lies in a valley at the foot of the Tatras, the highest mountains in Poland. Zakopane is a place of active recreation. First of all, in the Tatras, mountain trip lovers may satisfy their dreams on a number of trails ranging from the easiest to the most difficult ones, requiring experience and caution. Beginners are recommended to take a walk through the valleys, to go to the Morskie Oko Lake or Hala Gąsienicowa. The vicinity of Gąsienicowa features peaks whose conquest will satisfy the most ambitious tourists. The most difficult tourist trail in the Tatra Mountains is Orla Perć, a route full of abysses and rocks with chains and staples, leading from Zawrat to the Krzyżne Pass. From the Morskie Oko Lake it is possible to climb the highest peak in Poland, Rysy, 2499 metres above sea level.

What is more, Zakopane is called "winter capital of Poland". Mountainous climate ensures excellent snow conditions which make skiing possible from the end of November to the beginning of May. Tourists have at their disposal ski-lifts and well prepared ski routes with varying difficulty levels; numerous ski instructors offer their experience and assistance.

For people, who want to see more in Zakopane, we recommend taking a stroll through Krupówki Street or seeing local monuments and historic places (e.g. cemetery at Pęksowy Brzyzek or the neighbouring Stary Kościółek - Old Church).

Authentic highlander folklore is a magnet attracting lovers of culture and folk art from around the world. In the evenings, regional inns are filled with highlander bands in beautiful folk attires. The music they play makes it difficult to sit behind a table – your legs just want to dance! You should also try regional delicacies: moskole (potato pancakes), oscypek with żurawina (ewe's milk cheese with cranberry) and kwaśnica (sauerkraut soup), which are served in numerous inns and restaurants dispersed all over the city.

In a word: it is worth coming to Zakopane! You are warmly welcome!



## Call for papers

Prospective Authors are invited to register and to submit, through the Internet, a two-page extended abstract in English. Abstracts should outline the main features, results and conclusions of the work. All abstracts will be reviewed by the members of the Scientific Committee and Authors will be notified about the decision. Authors of selected abstracts will be invited to submit a full manuscript, which if accepted according to the journal procedure, will be published in the Journal of Computer Methods in Materials Science.

## Registration

The registration fee for delegates and authors is 2100 PLN (1400 PLN for students) if paid before December 12, 2016 and 2400 PLN (1600 PLN for students) if paid after that date.

The fee includes conference proceedings, reception, lunches, coffee breaks, banquet and social program.

## Important Dates

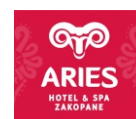
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|---------------------------------------|-------------------|
| ◆ Extended abstract submission        | October 10, 2016  |
| ◆ Notification of abstract acceptance | October 31, 2016  |
| ◆ Submitting the full paper           | November 15, 2016 |
| ◆ Notification of paper acceptance    | December 1, 2016  |
| ◆ Deadline for early payment          | December 12, 2016 |

## Correspondence

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## Conference Site

Aries Hotel & SPA  
ul. Mariusza Zaruskiego 5  
34-500 Zakopane, Poland  
phone: +48 185 44 44 44  
e-mail: [repcja@hotelaries.pl](mailto:repcja@hotelaries.pl)  
website: [www.hotelaries.pl/](http://www.hotelaries.pl/)

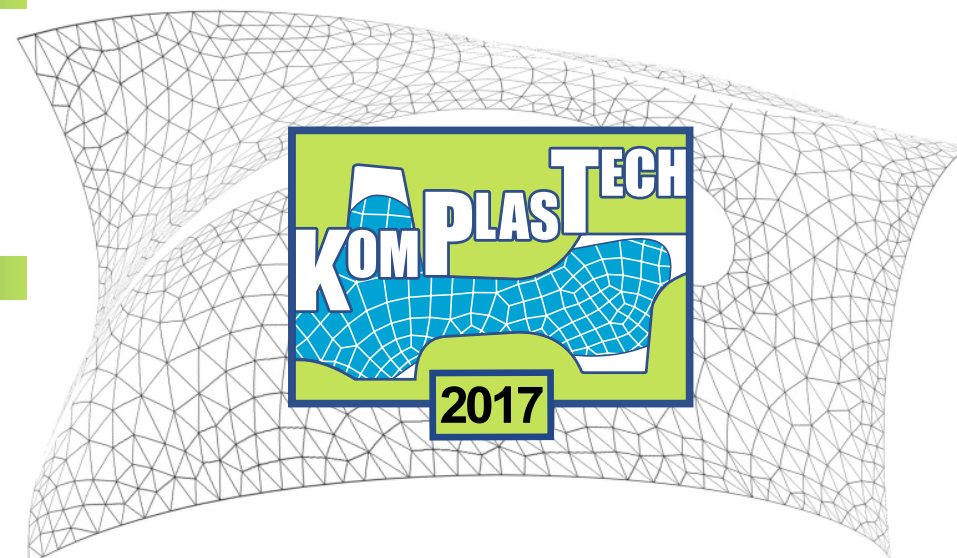


Thematic Conference

# KOMPLAS TECH 2017 XXIV. Conference on Computer Methods in Materials Technology

January 15-18, 2017  
Zakopane, Poland

## Minisymposium in honour of Professor Maciej Pietrzyk



[www.komplastech.agh.edu.pl](http://www.komplastech.agh.edu.pl)

## Objectives

The first national conference in the series on Computer Methods in Metals Technology (KomPlasTech) was held in 1993 in Kraków, Poland. At the beginning of the 21st century the intention of the organizers was to extend the scope to all materials and to make the conference international by inviting the scientists from all over the world. Thus, several papers dealing with non-metallic materials were submitted and the name of the conference was changed to Computer Methods in Materials Technology. The first international KomPlasTech Conference was organized in Zakopane in 2007.

There is an increasing necessity to solve complex problems in numerical modelling of materials processing. Several new techniques dedicated to description of materials behaviour have been developed. Application of the multiscale analysis to joint modelling of phenomena occurring in different scales (macro, mezo, micro and nano) became effective. Thus, the objectives of the KomPlasTech Conference are to get together scientists in researchers working in the fields of computer methods in materials science and to enable exchange of knowledge and experience.

## Conference Topics

- ◆ New computational techniques for modelling in control
- ◆ Numerical simulations of casting, semi-solid forming, thixoforming, metal forming and heat treatment
- ◆ Numerical simulations of heat transfer, microstructure evolution, phase transformations, diffusion and prediction of products properties
- ◆ Rheological models, application of the inverse analysis to identification of models parameters
- ◆ Multiscale material models, based on cellular automata, molecular dynamics, Monte Carlo, etc.
- ◆ Boundary conditions in modelling of processes and phenomena in materials engineering
- ◆ Computer aided design of tools and technology in materials processing, new energy-saving and environment-protecting technologies
- ◆ Artificial intelligence and optimization techniques in materials science
- ◆ Databases and knowledge bases in materials engineering
- ◆ Digital materials and virtual processes
- ◆ Development of computer systems for metallurgical and materials industries.

## Committees

### Scientific Committee

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Dorel BANABIC, University of Cluj-Napoca, Romania  
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Bradley WYNNE, The University of Sheffield, United Kingdom

### Conference Chairs

Danuta SZELIGA, Łukasz RAUCH  
AGH University of Science and Technology, Kraków, Poland

### Steering Committee

Maciej PIETRZYK  
AGH University of Science and Technology, Kraków, Poland  
Franciszek GROSMAN  
Silesian University of Technology, Katowice, Poland

## Plenary Lectures

*Elasto-plastic contact problem for rough surfaces*  
Ryszard BUCZKOWSKI, Arkadiusz RZECZYCKI  
Maritime University of Szczecin, Poland

*Simulation APPs for advanced design in material forming processes and real time decision making*  
Francesco CHINESTA  
Ecole Centrale de Nantes, France

*Multiscale modeling - advantages and challenges in the context of manufacturing processes*  
Stefanie REESE, Julian KOCHMANN, Yalin KILICLAR, Yinan ZUO,  
Stephan WULFINGHOFF  
RWTH Aachen University, Germany

*Microstructure model aided industrial implementation of advanced steel grades*  
Alex RIMNAC, Simon GROSSEIBER, Bernd LINZER  
Primetals Technologies Austria GmbH

*Modelling of the microstructure evolution during creep of high temperature steels*  
Christof SOMMITSCH, Bernhard SONDEREGGER, Surya YADAV,  
Bernhard KRENNMAYR  
Graz University of Technology, Austria

## Organizers

### Local organizer



### Partners



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Faculty of Metals Engineering and Industrial Computer Science  
AGH University of Science and Technology



Institute of Metals Technology  
Faculty of Materials Science and Metallurgy  
Silesian University of Technology

### Supporting organisations



European Community on Computational Methods in Applied Sciences  
ECCOMAS



Metal Forming Section  
Metallurgy Committee  
Polish Academy of Sciences



Centre for Computer Technology in Metallurgy and Materials Science  
CEKOMAT



Polish Association for Computational Mechanics

## Minisymposia

*Numerical modelling of material processing*  
MINISYMPOSIUM IN HONOR OF PROFESSOR MACIEJ PIETRZYK  
Organizer: Jan KUSIAK  
AGH University of Science and Technology, Kraków, Poland

*Genetic algorithms in materials design and processing*  
Organizer: Nirupam CHAKRABORTI  
Indian Institute of Technology, Kharagpur, India