

# COMPIMAGE 18

6<sup>TH</sup> INTERNATIONAL SYMPOSIUM COMPIMAGE'18

COMPUTATIONAL MODELING OF OBJECTS PRESENTED IN IMAGES

FUNDAMENTALS, METHODS, AND APPLICATIONS

2-5 JULY 2018, CRACOW, POLAND

2-5 July 2018

Cracow, Poland



Springer

The **6th International Symposium CompIMAGE'18 – Computational Modeling of Objects Presented in Images: Fundamentals, Methods, and Applications**, will be held 2-5 July 2018 in Cracow, Poland. The symposium will include keynote talks, regular papers and short communications. Doctoral sessions are planned as well as Skype session for authors from outside of Europe. **CompIMAGE'18** seeks outstanding papers describing contributions to the theoretical and practical aspects of the computational modeling of objects presented in images along with applications in this field.

See <http://iscii18.fis.agh.edu.pl/> for submission instructions and other details.

Aco-event, **ITSRCP'18 – 3rd Conference on Information Technology, Systems Research and Computational Physics** (<http://itsrcp18.fis.agh.edu.pl/>), will be held at the same time and in close proximity. Participants, who have registered for one of the conferences **can participate in both and publish one paper in each of the proceedings**, providing that these papers are different and compatible with the subjects of the conferences. The proceedings of **CompIMAGE'18** will be included in the Springer's *Lecture Notes in Computer Science* series and the proceedings of **ITSRCP'18** will appear in the Springer's *Advances in Intelligent Systems and Computing* series.

The symposium can provide a limited amount of **discounted registration fees and free dormitory accommodation** to students and participants in disadvantaged situations. The interested persons should apply describing their case; the decision will be made at the discretion of the organizers.

## Highlights

Important (but not exclusive) topics of interest:

- ◆ image processing and analysis;
- ◆ image segmentation;
- ◆ digital geometry for computer imaging;
- ◆ 2D and 3D reconstruction, discrete tomography;
- ◆ object tracking, gait and gesture recognition;
- ◆ motion and deformation analysis;
- ◆ object and shape modeling;
- ◆ vision in robotics and automation;
- ◆ camera-based sensing for gaming;
- ◆ biometric identification;
- ◆ visual data mining and knowledge discovery;
- ◆ medical imaging;
- ◆ biomechanics, exergames, and smart toys;
- ◆ imaging in material, natural and social sciences;
- ◆ computational bioimaging and visualization;
- ◆ scientific data visualization;
- ◆ satellite and large data set visualization;
- ◆ data interpolation, registration, acquisition, and compression.

## Publications

Proceedings with regular papers will be published in the **Springer's Lecture Notes in Computer Science** (LNCS) series.

After the symposium, all authors will have the option to submit extended versions of their papers to a special issue of the Taylor & Francis journal on **Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization** (indexed in Scopus and ISI Thomson Reuters). These papers will undergo a peer-review acceptance process. If there is sufficient interest, a special edited book of Springer in the series **Lecture Notes in Computational Vision and Biomechanics** with chapters related to the symposium topics can also be published. Both of these are free of charge.

## Important dates

**Full paper submission due**

**15 March 2018**

**Notification of acceptance**

**1 May 2018**

**Final version of papers**

**1 June 2018**

**Symposium dates**

**2-5 July 2018**



## Honorary Chair

Janusz Kacprzyk

Systems Research Institute,  
Polish Academy of Sciences, Poland

## Conference Chairs

Reneta P. Barneva

State University of New York at Fredonia, USA  
[*Scientific Chair*]

Valentin E. Brimkov

SUNY Buffalo State, USA

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3<sup>RD</sup> CONFERENCE ON INFORMATION TECHNOLOGY,  
SYSTEMS RESEARCH AND COMPUTATIONAL PHYSICS

CRACOW, POLAND, 2-5 JULY 2018