

# Preface

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Session “Computer Modeling” was held at the 3rd International Conference on Information Technology and Nanotechnology - 2017 (ITNT-2017) in Samara, Russia, April 25–27, 2017 (<http://ru.itnt-conf.org/itnt17ru/>). This volume includes reports from different sections on computer modeling.

The goal of the ITNT-2017 Conference was to discuss problems of fundamental and applied research in information technology and nanotechnology, including but not limited to:

- Computer Optics;
- Diffractive Nanophotonics;
- Image Processing;
- High-performance Computing;
- Computer Vision;
- Mathematical Modeling;
- Data Science.

Scientists from Austria, Belarus, Bulgaria, Denmark, Germany, Great Britain, India, Iraq, Mexico, Moldova, Russia, Spain, USA, and Finland presented over 330 reports at the ITNT-2017 Conference. The most significant studies presented at the Conference published in *Procedia Engineering* (Elsevier, vol. 201).

We are grateful to everybody who has contributed to the session and look forward to meeting you again at future events. Further, we thank all the authors who presented their studies, as well as the reviewers and the delegates. Moreover, we sincerely thank the team of organizers for making the session successful and this publication possible.

## Guest Editors

- Roman Skidanov, Image Processing Systems Institute - Branch of the Federal Scientific Research Centre "Crystallography and Photonics", Russian Academy of Sciences, Samara, Russia;
- Vladimir Sobolev, Samara National Research University, Samara, Russia;
- Denis Kudryashov, Samara National Research University, Samara, Russia.

## Conference Organizers

- Samara National Research University
- Image Processing Systems Institute of RAS – Branch of the FSRC “Crystallography and Photonics” RAS
- Government of Samara Region
- Computer Technologies

## Chair

- Evgeniy Shakhmatov – Samara National Research University, Russia

## Vice-chairs

- Vladimir Bogatyrev – Samara National Research University, Russia
- Nikolay Kazanskiy – Image Processing Systems Institute - Branch of the Federal Scientific Research Centre “Crystallography and Photonics” of Russian Academy of Sciences, Russia
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