

Preface

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This volume contains the papers presented at session "Image Processing and Earth Remote Sensing" within the IV International Conference on Information Technology and Nanotechnology (ITNT-2018) which was held in Samara, Russia, April 24–27, 2018 (itnt-conf.org). The Conference is intended to provide a forum for leading scientists from all over the world to discuss the latest advances in the basic and applied research in the field of Information Technology and Nanotechnology, attract young people to advanced scientific research, and share the latest trends in training and research programs for future ITNT specialists [1]. In addition to the session mentioned above, ITNT-2018 also included the following Sections: "Computer Optics and Nanophotonics", "Mathematical Modeling of Physical-Technical Processes and Systems", "Data Science".

The scientific forum in Samara brought together more than 420 scientists from more than 45 cities in Russia, Germany, United Kingdom, Finland, Switzerland, China, India, Pakistan, Iran, Iraq, Belarus, Moldova, Poland and many others. 407 talks enabled discussion on a wide range of topics. The topics of the papers in this volume include digital image processing, visual recognition and retrieval, motion analysis, scene reconstruction, remote sensing image processing and analysis, multimedia protection and information hiding, and geoinformation technology.

This year we have received 112 submissions addressed to "Image Processing and Earth Remote Sensing". The Program Committee members and the reviewers carefully reviewed each submission. Based on the reviews, Program Committee accepted 88 papers for presentation at the conference and publication. Program Committee published some of the accepted papers in Journal of Physics: Conference Series, in the volume covering all topics of the Conference. The current volume contains 55 papers not included in the Journal of Physics: Conference Series volume.

I thank all the participants of ITNT-2018 for excellent presentations and discussions.

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Reference

[1] Savelyev D A 2017 *Computer Optics* **41(5)** 775-785 DOI: 10.18287/2412-6179-2017-41-5-775-785