

Proceedings of the 31st International Conference on Computer Graphics and Vision (GraphiCon 2021)

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PREFACE

This volume contains the papers presented at the 31st International Conference on Computer Graphics and Vision GraphiCon 2021 (https://graphicon.nntu.ru/home_en/), held at Nizhny Novgorod State Technical University n.a. R.E. Alekseev (Nizhny Novgorod, Russia) on 27-30 September 2021.

First organized in 1991, the GraphiCon conference is the largest in Russia and the CIS annual meeting of researchers in Computer Graphics, Image Processing and Computer Vision, Visualization Systems and the Virtual Environment. The key organizers of the conference for many years have been the GraphiCon Scientific Society (<https://www.graphicon.ru/en>), Lomonosov Moscow State University, and Keldysh Institute of Applied Mathematics of the RAS (Russian Academy of Sciences).

The mission of the conference is contribution to the development of computer graphics, image processing and computer vision in Russia and the CIS; improving the system of training of specialists in these fields; attraction of talented students, graduate students, professionals; expansion of ties between academia and industry.

In 2021 the conference was organized into 9 sessions as follows.

1. Intelligent Solutions in Computer Graphics.
2. Scientific Visualization and Visual Analytics.
3. Computer Vision.
4. Biomedical Image Processing and Analysis.
5. Digital Earth and Big Data.
6. Geometric Modeling. Computer Graphics in Education.
7. Computer Graphics in Material Science, Light Engineering and Design.
8. Artificial Intelligence, Cognitive Technology and Robotics.
9. Graphic Technologies for the Product Life Cycle Information Support.

The EasyChair conference management system was used for handling the submission and double blind review process. There were 205 papers submitted for peer-review to the conference. Out of these, 124 papers were accepted for this volume. All of these papers were presented at the conference physically or online.

We would like to thank all members of the Program Committee for their efforts in reviewing the submitted papers. We also thank the Organizing Committee and local organizers for their work in preparing and holding the conference. Finally, we thank all authors who submitted their papers to the conference. See all of you at the next GraphiCon in 2022!

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