

# Information Technologies: Algorithms, Models, Systems (ITAMS-2021)

The 4th workshop on Information Technologies: Algorithms, Models, Systems (ITAMS) is intended to exchange experiences in the application of information technologies in the interdisciplinary research between scientists. The workshop is organized to discuss actual research results in field of information technologies. The main topics of discussions are as follows:

- Geoinformation systems, intelligent systems and their applications.
- Technologies and instrumental tools for application development.
- Technologies and methods for processing unstructured data.
- Technologies for modeling natural phenomena and technogenic processes.
- Methods and technologies for acquisition, storage and processing data.

There were 20 papers submitted for peer-review to this workshop. This proceeding contains papers accepted for presentation by editors. The editors accepted to publish 16 papers based on reviews reports from Program Committee members. The volume contains only original articles with new results, not appeared elsewhere.

The workshop was held September 14, 2021 at the Matrosov Institute for System Dynamics and Control Theory Siberian Branch of the Russian Academy of Sciences, Irkutsk, Russia. We are pleased that the epidemic situation allowed us to hold the workshop at physical location with a lively interaction among the participants.

## Editors:

Igor V. Bychkov, academician of Russian Academy of Sciences, PhD, professor, director of Matrosov Institute for System Dynamics and Control Theory SB RAS, Irkutsk, Russia

Dimitar Karastoyanov, PhD, professor, head of department of Embedded Intelligent Technologies of Institute of Information and Communication Technologies of Bulgarian Academy of Sciences, Sofia, Bulgaria

## Program Committee:

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Irkutsk, September 14, 2021

Igor V. Bychkov, Dimitar Karastoyanov