

Papers

from

the International Conference

Geodynamics and Geospatial Research 2019

Riga, Latvia
March 20 - 22, 2019

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Foreword

This volume contains papers presented at the International Scientific Conference “Geodynamics and Geospatial Research 2019” within the framework of the 77th International Scientific Conference of the University of Latvia. “Geodynamics and Geospatial Research 2019” was held during March 20–22, 2019, in Riga, Latvia.

More than 20 presentations by the researchers of Latvia, Estonia, Lithuania, Poland and Germany were made on various topics of geodynamics, geospatial research and geodesy. Selection of scientific papers are submitted to this issue of the Baltic Journal of Modern Computing. Main topics of the research presented in the conference were:

- Geodynamics and geospatial research;
- Gravity field, Geoid models and height systems;
- Astrogeodetic measurements;
- GNSS and satellite geodesy;
- Levelling networks;
- Survey Engineering;
- Photogrammetry, Remote sensing;
- Geographical Information Systems (GIS);
- Unmanned aerial vehicles (UAV);

The conference “Geodynamics and Geospatial Research” addresses a wide range of scientific studies and is focused on the interdisciplinarity and possibilities of research in this wider context in the future to reach more significant discoveries, including business applications and innovations in solutions for commercial enterprises.

Day before and day after the conference the practical workshops for local users were held with the participation of state and municipal organizations such as Latvia Geospatial Information Agency, Rural Support Service, Riga City Development Department, Latvian Surveyors Society and many others. The school children were involved in several activities to give them an insight into the speciality of the land surveyor and everyday work of the researchers of the Institute of the Geodesy and Geoinformatics.