

ISSN 2300-1496



UNIVERSITY OF AGRICULTURE
IN KRAKOW

Geomatics, Landmanagement and Landscape

GLL *Geomatics,
Landmanagement
and Landscape*

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No. 2 • 2018

Krakow



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Geomatics, Landmanagement and Landscape

Scientific journal founded in 2012 at the University of Agriculture in Krakow

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Landmanagement
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No. 2 • 2018
Krakow

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Copy-editing, proof-reading, DTP: Publishing House of the University of Agriculture in Krakow
Supported by the Society for Rural Development
The issue contains peer-reviewed papers

Edition of the publications is financed from the fund of the Rector of the University of Agriculture and the fund
of the statutory activities of the Faculty of Environmental Engineering and Geodesy (UR) in Krakow

The journal indexed in the databases BazTech, ARIANTA, AGRIS, CABI, AGORA, Index Copernicus, ERIH Plus

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ISSN 2300-1496



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Editor sheets 6. Printing sheets 5.5. Issue 150 copies

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FOREWORD

Here is the next issue of the *Geomatics, Landmanagement and Landscape* quarterly, which presents a number of issues regarding geomatics, land management and landscape. All publications are original scientific solutions, addressing significant problems in this thematic scope.

The first work concerns multifaceted relations between the phenomenon of technology transfer, and the cooperation on the axis of knowledge and business. The research that the authors had conducted confirmed the hypothesis that cooperation between scientific units and industry is determined by the transfer of knowledge, aimed at implementing innovative solutions. Therefore, the search for factors facilitating the process of knowledge transfer outside the theoretical field reveals a huge and practical dimension of updating economic programs both at the national and international level.

The next work constitutes an application of the filtration process in research into the perception of images and their interpretation. The proposed original solution, using the filtration process applying dedicated edge filters with properties that isolate the boundaries of adjacent areas on the image, can be an effective tool in the field of architecture and art.

The unquestionable need for information societies to access functional and useful viewers of map services is presented in the next publication. The research used prototype applications, being an implementation of selected design tools. The results of the research proved that the application created with the use of the ImageViewer component (jQuery JavaScript) gives the best results in the presentation of raster graphics.

Research on the quality of land and building records data is an important and current issue. The authors of the next work tackle this issue in the context of analysing the currently binding electronic data exchange standards. The example of two electronic data exchange standards (SWDE and GML) presents problems related to the implementation of standards and the process of validation in the context of an important issue, which is the quality of the land records data. Within the same field, the next article discusses the possibility of implementing a multi-dimensional cadastre. A brief description of selected models of 3D cadastre, their accuracy and application possibilities are presented therein.

The penultimate work concerns public participation in shaping the rural space. The research was carried out in the area of the Jerzmanowice village, located in the buffer zone of the Ojców National Park. The presented research object reveals a huge threat to attractive landscapes and open spaces in the aspect of new commercial investment site selection.

The closing work of the current issue of our journal concerns urban planning and city management in the conditions of the information society. Proposing the impulse model for currently functioning post-industrial cities seems to be an interesting solution.

I am convinced that the works presented in this issue of our quarterly journal will be interesting for readers, and they will kindle scientific discussions, exchange of experiences, and views.

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