

Editor-in-Chief of AGH University of Science and Technology Press: *Jan Sas*

Editorial Board:

Editor-in-Chief: *Piotr Parzych*

Statistical Editor: *Anna Barańska*

Theme editors: *Marcin Chodak* (environmental engineering), *Paweł Hanus* (cadastre and real estate management), *Beata Hejmanowska* (photogrammetry, remote sensing and geoinformatics), *Ryszard Hejmanowski* (mining surveying and protecting mining areas), *Pavlo Kolodiy* (geodesy and geoinformatics), *Marcin Ligas* (higher and satellite geodesy), *Milena Moteva* (agricultural land surveying and spatial planning), *Michał Strach* (engineering industries surveying)

Members: *Stanisław Gruszczynski, Ewa Panek*

Secretaries: *Agnieszka Bieda, Agnieszka Peška-Siwik*

Advisory Board:

*Stefan Cacoń* (Wrocław University of Environmental and Life Sciences, Poland)

*Janusz Dominik* (University of Geneva, Switzerland)

*Eva Hvízdová* (College of International Business ISM Slovakia in Prešov, Slovakia)

*Bernhard Hofmann-Wellenhof* (Graz University of Technology, Austria)

*Ryszard Hycner* (University of Business and Enterprise in Ostrowiec Świętokrzyski, Poland)

*Hans-Rainer Kulpe* (Bochum University of Applied Sciences, Germany)

*Oleg Mandryk* (Ivano-Frankivsk National Technical University of Oil and Gas, Ukraine)

*Heinz-Juergen Przybilla* (Bochum University of Applied Sciences, Germany)

*Katarina Pukanská* (Technical University of Košice, Slovakia)

*Anton Sroka* (Freiberg University of Mining and Technology, Germany)

*Sabina Źróbek* (University of Warmia and Mazury in Olsztyn, Poland)

DOI: <https://doi.org/10.7494/geom>

The electronic version of the journal is the primary one.

The articles published in the “Geomatics and Environmental Engineering” have been given a favourable opinion by the reviewers designated by the Editorial Board.

Linguistic Corrector: *Aeddan Shaw*

Technical Editor: *Joanna Ciągala*

Cover Designer: *Beata Barszczewska-Wojda*

Typesetting and Desktop Publishing by MarDruk Marcin Herzog, e-mail: biuro@mardruk.pl

© Wydawnictwa AGH, Krakow 2020, Creative Commons CC-BY 4.0 License

ISSN 1898-1135 (printed), ISSN 2300-7095 (on-line)

Copies of periodic: 55

The journal is the beneficiary of funding under the programme of the Minister of Science and Higher Education entitled “Support for scientific journals” (“Wsparcie dla czasopism naukowych”) for the years 2019–2020.

---

AGH University of Science and Technology Press (Wydawnictwa AGH)

al. A. Mickiewicza 30, 30-059 Kraków

tel. 12 617 32 28, 12 638 40 38

e-mail: [redakcja@wydawnictwoagh.pl](mailto:redakcja@wydawnictwoagh.pl), [www.wydawnictwa.agh.edu.pl](http://www.wydawnictwa.agh.edu.pl)

---