

**CALL FOR PAPERS FOR A SPECIAL ISSUE OF
GEO-SPATIAL INFORMATION SCIENCE
CELEBRATING THE 80TH BIRTHDAY OF PROFESSOR ARMIN GRUEN**

The upcoming special issue of Geo-spatial Information Science will be a look back at the development of photogrammetry over the past fifty-five years and the influence of artificial intelligence on its evolution.

Potential Topics:

- Exploring the transition from analog to AI-assistant digital photogrammetry technologies
- AI-Enhanced photogrammetry to improve accuracy and efficiency
- Revolutionizing image processing in photogrammetry with machine learning
- Progress in 3D modeling and its applications in urban planning, architecture, archaeology, and cultural relics
- Photogrammetry aids in assessing environmental changes and managing natural disasters
- Deep Learning for automated image feature extraction, matching, reconstruction, and segmentation
- Exploring the synergies between GIS, remote sensing, and photogrammetry for enhanced spatial analysis and decision-making
- Real-time photogrammetry and Its Applications in positioning, navigation and mapping
- Highlighting unique applications of photogrammetry in fields like forensic science, medicine, underwater survey and sports
- Speculating on future sensor innovations to further enhance the resolution and capabilities of photogrammetric techniques
- Ethical considerations and data privacy in photogrammetry
- Integration and fusion of multi-source data (such as POS, Image, SAR, LiDAR, Sonar, etc.) and photogrammetric product quality control

Guest Editors:

- Li Ming, Wuhan University, China (lisouming@whu.edu.cn)
- Clive Fraser, University of Melbourne, Australia (c.fraser@unimelb.edu.au)
- Sultan Kocaman, Hacettepe Univ., Turkey (sultankocaman@hacettepe.edu.tr)
- Petros Patias, The Aristotle University, Greece (patias@topo.auth.gr)
- Qin Rongjun, The Ohio State University, USA (qin.324@osu.edu)
- Nusret Demir, Akdeniz University, Turkey (nusretdemir@akdeniz.edu.tr)
- Erica Nocerino, Università degli Studi di Sassari, Italy (enocerino@uniss.it)

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Contact:

E-mail: gsis@whu.edu.cn
<http://www.tandfonline.com/tgsi>

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