

**CALL FOR PAPERS FOR A SPECIAL ISSUE OF  
GEO-SPATIAL INFORMATION SCIENCE  
CELEBRATING THE 80<sup>TH</sup> 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

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*Deadline for submissions: 31 December 2024*

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