DESCRIPTION

The ISPRS Journal of Photogrammetry and Remote Sensing (P&RS) is the official journal of the International Society for Photogrammetry and Remote Sensing (ISPRS). The Journal provides a channel of communication for scientists and professionals in all countries working in the many disciplines that employ photogrammetry, remote sensing, spatial information systems, computer vision, and related fields. The Journal is designed to serve as a source reference and archive of advancements in these disciplines.

The P&RS objective is to publish high quality, peer-reviewed, preferably previously unpublished papers of a scientific/research, technological development or application/practical nature. P&RS will publish papers, including those based on ISPRS meeting presentations*, which are regarded as significant contributions in the above-mentioned fields. We especially encourage papers: of broad scientific interest; on innovative applications, particularly in new fields; of an interdisciplinary nature; on topics that have not been dealt with (or to a small degree) by P&RS or related journals; and on topics related to new possible scientific/professional directions. Preferably, theoretical papers should include applications, and papers dealing with systems and applications should include theoretical background.

The scope of the journal is extensive and covers sensors, theory and algorithms, systems, experiments, developments and applications. Topics of interest include but are not limited to:

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- Range imaging
- Active and passive imaging sensor characterisation
- Sensor calibration and standardisation
- Geosensor networks
- Internet of Things

Methods and procedures

- Spatial data handling technologies
- Integrated sensor calibration and orientation
- Surface and object reconstruction, modelling and interpretation
• GIS data modelling, representation and structures
• Database systems
• Mapping from imagery
• Visualisation, animation and virtual reality
• Physical measurements and spectral signatures
• Point cloud processing
• Extraction of geometric and semantic information from SAR
• SAR Interferometry
• Image classification algorithms
• Image segmentation and GEOBIA
• Image time series analysis
• Hyperspectral data analysis
• Big image data analysis
• Crowd sourcing
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• 3D urban GIS
• Close-range imaging and metrology
• Architectural & archaeological photogrammetry
• Determination of forest metrics
• Medical image analysis and biometry
• Resource and environmental modelling
• Global monitoring and assessment
• Thematic applications
• DTM and orthoimage generation
• Location based services

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INTRODUCTION

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Submitted articles may be:
- Papers (detailed discussions involving new research, technological developments or applications)
- Review Papers (extensive state-of-the-art surveys of established or emerging topics or application areas)
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