

Preface: Workshop “ISSDQ 2023: Artificial Intelligence and Uncertainty Modeling in Spatial Analysis”

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Spatial data quality concerns with the reliability, confidence and trustworthiness of spatial data and their fitness for use. In the new era of spatial big data, IoT, smart city, ubiquitous spatial information systems and volunteered data produced using space-borne, areal and geo-sensors as well as human sensors in the phases of collection, fusion and leveraging artificial intelligence for spatial information extraction and modeling, the issue of spatial data quality and uncertainty assessment requires more attention than ever before. Spatial data quality and uncertainty assessment/modeling are integrated components of spatial information systems main functionalities in measuring, mapping, managing, modeling and monitoring. The 12th International Symposium on Spatial Data Quality (ISSDQ 2023) as a part of the ISPRS Geospatial Week 2023, hosted by the Arab Academy for Science, Technology, and Maritime Transport, in parallel with a number of related geospatial workshops. The event held as a two-sessions in the symposium consisting of oral presentations as well as poster sessions in the context of the ISPRS Geospatial Week.

To ensure the highest standard of quality, the submitted papers underwent a meticulous double-blind peer review process. As a result of this rigorous evaluation, 8 exemplary papers have been selected for oral presentation and 4 papers accepted for poster presentation during the conference, showcasing the outstanding contributions within the field.

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Responsible Technical Commissions/ involved Working Groups

ISPRS WG IV/2 - Artificial Intelligence and Uncertainty Modeling in Spatial Analysis

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