

Report on the ISPRS Geospatial Week 2025
Held in Dubai, United Arab Emirates.
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by

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1.0 Executive Summary

Attending the ISPRS Geospatial Week 2025 in Dubai was a truly enriching and transformative professional experience. Held from April 6–11 at the Dubai World Trade Centre, this internationally recognized event brought together researchers, professionals, and industry leaders from across the globe in the fields of photogrammetry, remote sensing, and spatial information sciences. My participation in the conference aligned closely with my academic and research interests, particularly in coastal and marine geospatial applications.

Experiences at the Conference

Throughout the week, I participated in a series of symposia, workshops, keynote lectures, and technical sessions, covering a broad range of themes including UAV and drone-based monitoring, AI in geospatial analysis, and climate-related coastal modelling. Particularly noteworthy were the sessions on disaster management, digital twins and forest monitoring which showcased pioneering work in using remote sensing and GIS to support adaptive management strategies—topics that directly complement my current research at The University of Trinidad and Tobago.

I was also able to engage with cutting-edge technologies on display at the exhibition hall, where geospatial software companies and satellite data providers showcased their latest innovations. I had meaningful conversations with representatives from organizations such as the Mohammed Bin Rashid Space Centre (MBRSC) and Hexagon Geospatial. It was indeed a pleasure to meet Dr Saeed Hussain Al Mansoori (Head of the MBRSC Lab) and Ahmad Saad. These discussions not only opened new avenues for data access but also sparked potential collaboration ideas.

Additionally, I had the opportunity to present a poster titled "'A digital twin for monitoring land use/cover and coastal change in Tobago'", which received encouraging feedback from international experts. The exchange of ideas during the poster session was incredibly motivating and provided valuable critique to refine my methodology and data interpretation.

Benefits to My Career and Research

The ISPRS Geospatial Week 2025 significantly contributed to my professional development. Firstly, it offered a global platform to showcase research conducted at The University of Trinidad and Tobago, thereby increasing our visibility in the international geospatial community. The feedback and contacts gained have already helped refine some aspects of my work, particularly the integration of machine learning classifiers with remote sensing data to improve wetland delineation.

From a pedagogical standpoint, the knowledge acquired from various technical sessions will enhance the content and delivery of GIS and Remote Sensing courses that I teach. I plan to incorporate updated case studies and tools introduced during the conference into my curriculum, which will directly benefit student learning and engagement. Furthermore, the networking opportunities were invaluable. I initiated discussions with researchers from institutions in Europe, Asia, and the Middle East for possible joint research projects, particularly in the areas of coastal monitoring, sea-level rise impacts, and the use of radar imagery in humid tropical environments. These connections will be pivotal in expanding our research network and increasing access to international funding and training opportunities.



Group photo - it was a pleasure to develop friendships with fellow TIF grant winners from around the world.

Conclusion

Attending the ISPRS Geospatial Week 2025 has been a deeply impactful experience that has broadened my academic horizons, strengthened my research capabilities, and positioned me to contribute more effectively to the geospatial science community in the Caribbean and beyond. I am deeply grateful to the ISPRS Foundation for supporting me with a TIF grant which allowed me to participate in this event in Dubai and I am proud to have represented The University of Trinidad and Tobago on this prestigious platform. I look forward to building on the momentum generated through this participation.