

The ISPRS Foundation (TIF)

Travel Grant Report - ISPRS GeoSpatial Week 2025 Dubai Photogrammetry & Remote Sensing for a Better Tomorrow...

*Report by **Matheus Da Silva***

I am pleased to share my experiences during the ISPRS Geospatial Week 2025, held from 6th to 11th April at the Dubai World Trade Center (DWTC). I am grateful to ISPRS for awarding me the TIF Travel Grant, which enabled my full participation in the conference, including sessions organized for Students & Young Professionals (SYP). The event stood out not only for its scientific rigor but also for its cultural richness. The opening ceremony was incredible, blending local artistic performances and speeches highlighting global commitments to advancing geospatial technologies and fostering international collaboration.

As a young researcher, I especially appreciated the SYP tutorial sessions, which allowed me to network with fellow students worldwide. A highlight of this experience was the visit to the Sharjah Academy of Astronomy, Space Sciences & Technology, offering an immersive exploration into the history and frontiers of the cosmos. Professor **Adriano Camps** delivered an inspiring talk about the challenges of his research journey and the development of CubeSats. Additionally, I participated in a workshop on Deep Learning conducted by engineers from the Mohammed Bin Rashid Space Centre (MBRSC), which was both practical and insightful. The event concluded with a memorable SYP Gala Dinner.

I attended keynote speakers, oral, and poster sessions throughout the week. I was honored to present my paper, “**LiDAR-Based Detection of Urban Trees Using a Backpack System,**” in an oral session held on Friday, April 11th, in Sharjah D Hall, as part of the Laser Scanning Workshop chaired by Prof. Dr. **Katharina Anders**. The presentation was a milestone in my career, and I received valuable feedback and suggestions that will guide future research improvements.

During the event, I also had the opportunity to meet several renowned researchers in the geosciences field, including Dr. **Ayman Habib**, Dr. **Charles Toth**, Dr. **Christian Heipke**, Dr. **Derek Lichti**, and Dr. **Jan Boehm**, scientists whose work I was previously familiar with only through the literature. Meeting them in person was a truly enriching experience.

To conclude this report, I would like to express how impressed I was by the city of Dubai (UAE). The atmosphere is vibrant, and visiting the Burj Khalifa was undoubtedly one of the most remarkable experiences of my life. This journey was unforgettable, and I am deeply grateful to ISPRS for selecting me as one of the 23 recipients of the TIF Travel Grant for GSW 2025. I am proud to be part of this global scientific community and to contribute to collaborative international efforts.

I would also like to thank my supervisors, Prof. Dr. **Mauricio Galo** and Prof. Dr. **Renato dos Santos**, for their support throughout my Master's degree and scientific development. I am grateful to the São Paulo Research Foundation (FAPESP) for funding my scholarship (grant nº 23/14756-1) and to Prof. Dr. **Antonio Tommaselli** for his support through the research project "*High Resolution Remote Sensing for Digital Agriculture*" (FAPESP grant nº 21/06029-7). Lastly, I thank the Graduate Program in Cartographic Sciences (PPGCC) and São Paulo State University (UNESP) in Presidente Prudente (SP), Brazil, for providing the infrastructure necessary for my ongoing research.

Below, I share some pictures taken during the event.



(a) Opening ceremony; (b) Oral presentation; (c) Burj Khalifa sightseeing, and keynote meetings with Dr. Katharina Anders and Dr. Christian Heipke, respectively.