

November 03, 2018

**TIF TRAVEL GRANT REPORT – ISPRS TC I MIDTERM SYMPOSIUM
INNOVATIVE SENSING - FROM SENSORS TO METHODS AND
APPLICATIONS**

This report relates to my experience at ISPRS TC I Midterm Symposium *Innovative Sensing – From Sensors to Methods and Applications* that was held in Karlsruhe Institute of Technology (KIT) - Campus South, in Karlsruhe, Germany, from 10-12 October 2018. It was a well-organized symposium comprising works with high quality level. The event had 22 oral presentations, 67 poster presentations, three keynote speakers and three tutorials.

The travel grant provided by **The ISPRS Foundation** (TIF) and the reduction registration fee granted by Professor **Stefan Hinz** (president of Commission I and member of symposium committee) made possible my participation in the symposium. During the event, I had the opportunity to have contact with experts from different Universities / Institutes / Companies, around the world, that work in similar topics. In the section poster, I presented my work entitled “*Building boundary extraction from LiDAR data using a local estimated parameter for alpha shape algorithm*”, where I received a feedback about my research and some advices for future improvements. Besides, I had the opportunity to know the works in development through the world, and improve my knowledge during the presentations and tutorials. In this symposium, different research topics and sensors were discussed, such as: 3D reconstruction in realtime, data classification, applications of SAR images, UAV, LiDAR, optical sensing, among others.

Finally, I would like to thank the ISPRS and the São Paulo Research Foundation - FAPESP (grant n° 2016/12167-5) for the financial support. I also leave my compliments to all event organizers that worked to produce a meeting of a high level and well organized. Besides, I thank my advisor Prof. Dr. Mauricio Galo for encouraging my participation in scientific meetings and the production of scientific works, and the São Paulo State University (UNESP) and Graduate Program of Cartographic Sciences (PPGCC) for the work environment.

Renato César dos Santos

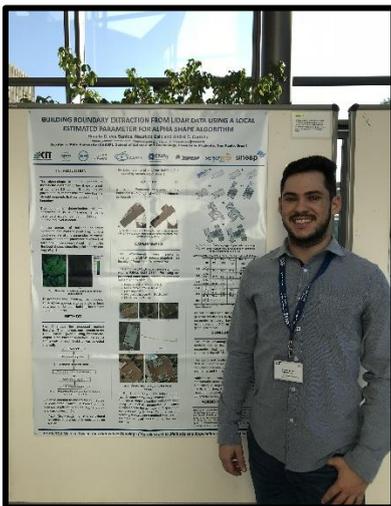
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Symposium open ceremony.



Presentation of travel grant awarded during the open ceremony.



Poster presentation on 11 October.



PPGCC participants in this symposium (from left to right): Prof. Mauricio Galo, Renato César dos Santos, André Caceres Carrilho, Gabriela Takahashi Miyoshi and Prof. Antonio Maria Garcia Tommaselli.