



MATRONE FRANCESCA

REPORT of ISPRS CONGRESS





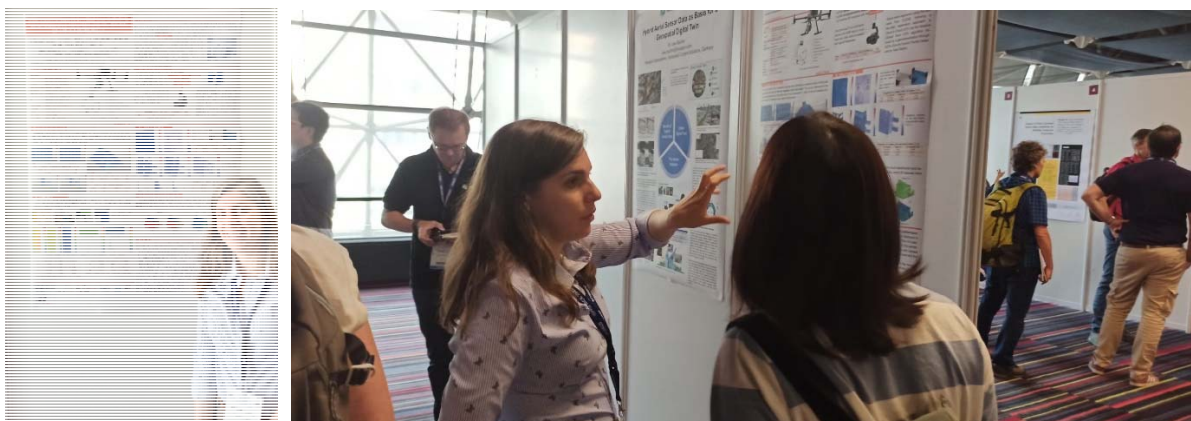
Thanks to the Travel Grant kindly provided by the ISPRS Foundation (TIF), I've been able to participate to the XXIV ISPRS Congress where I:

- Followed several scientific tracks as:
 - “Image orientation, point cloud generation/processing” and “Cultural Heritage documentation” on Monday 6th June
 - “Point cloud processing” and “Best young author paper award session” during the morning of Tuesday 7th June, while the “Poster session” in the afternoon
 - “Digital twins I: vision papers” and “Point cloud processing” during the morning of Wednesday 8th
 - “Mobile Mapping and “Spatial applications based on urban and regional Digital Twins Part I” on Thursday 9th



Among the presented researches I found of particular interest “Photogrammetric monitoring of gravitational mass movements in Alpine regions by markerless 3d motion capture” where the authors were able to detect small-scale movements, with the accuracy of a few millimeters, through motion vectors automatically detected.

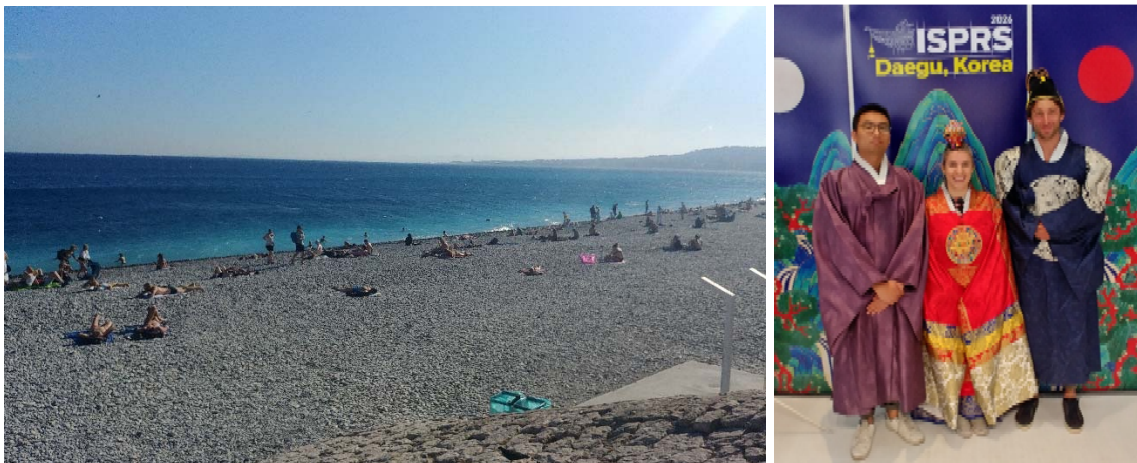
- Presented my poster with the title “New development in LiDAR UAS surveys. Performance analyses and validation”, discussed with the other participants and compared my work to a similar one also presented in the same poster session “Investigations into the accuracy of the UAV system DJI matrice 300 RTK with the sensors Zenmuse P1 and L1 in the Hamburg test filed”.



- Reconnected with people in presence, such as the reviewers of my PhD thesis prof. Jan Boehm and prof. Pierre Grussenmeyer, as well as other ex PhD students with whom I compared my research during my doctoral years as they dealt with similar topics.
- Participated to the ISPRS TCII - WG2 meeting where I offered to serve as a secretary (elected).
- Virtually attended the oral presentation of the paper "Automatic training data generation in deep learning-aided semantic segmentation of heritage buildings" which I co-authored



- Enjoyed the location, the exhibitors stands and the congress atmosphere



This Congress, therefore, allowed me to present my current research topics, weave a network of contacts that will be useful for the development of my career, improve my knowledge with the most up-to-date techniques and studies in the current state of the art, meet new companies and software that develop useful solutions for my research, get in touch by person with colleagues after the COVID-19 pandemic.