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FIRENZE

**DICEA**  
DIPARTIMENTO  
DI INGEGNERIA CIVILE  
E AMBIENTALE



INDICEE - International Doctorate in  
"Civil and Environmental Engineering"  
Dottorato Internazionale  
Ingegneria Civile e Ambientale



3rd  
**NOV**  
2022

**Workshop**  
**Mobile Mapping and**  
**Autonomous Vehicle**  
**Technologies: Sensor**  
**Integration and Crowdsourcing**  
**Charles Toth**

10,30-  
12,00  
(CET Italy time)

Room 175 – Scuola di Ingegneria  
Via S. Marta 3 – Firenze

Workshop organized by GeCo Lab - Geomatics for environment and  
conservation of cultural heritage laboratory

[www.geomaticaeconservazione.it](http://www.geomaticaeconservazione.it)

[www.indicee.unifi.it](http://www.indicee.unifi.it) – [www.dicea.unifi.it](http://www.dicea.unifi.it)



**Charles K. Toth** is a Research Professor in the Department of Civil, Environmental and Geodetic Engineering, The Ohio State University. He received a M.Sc. in Electrical Engineering and a Ph.D. in Electrical Engineering and Geo-Information Sciences from the Technical University of Budapest, Hungary. His research interest and expertise cover broad areas of spatial information sciences and systems, including photogrammetry, multi-sensor geospatial data acquisition systems, LiDAR, high-resolution imaging, surface extraction, modeling, integrating and calibrating multi-sensor systems, georeferencing and navigation, 2D/3D signal processing, and UAS and mobile mapping technologies.

Widely known worldwide in the mapping community, he was a key architect of the concept development of mobile mapping, and then did significant research in sensor georeferencing and digital imaging technologies. In fact, he is generally credited with the introduction of the term “direct and indirect georeferencing” in the photogrammetric community. He has held many senior leadership positions in national and international societies, and is Past President of the American Society of Photogrammetry and Remote Sensing, served as the ISPRS Technical Commission I President for 2012-2016, and is the 2nd Vice-President of ISPRS, 2016-2022. He is an ASPRS Fellow, ION Fellow, ISPRS Fellow, the recipient of numerous awards, including the 2009 APSRS Photogrammetric Award, United States Geospatial Intelligence Foundation (USGIF) Academic Achievement Award 2015, ISPRS Schwidelsky Medal Winner 2016, several Lumley Research Awards from OSU, and various best papers awards.

Participation is free but please send an email to register yourself to [andrea.masiero@unifi.it](mailto:andrea.masiero@unifi.it).