



# Large Scale Object Documentation with UAS Image-based Modelling (IBM)



**Em. Prof. Andreas Georgopoulos**

ICOMOS Board member  
Vice President (CIPA-Heritage Documentation)  
Laboratory of Photogrammetry of the School of Rural,  
Surveying and Geoinformatics Engineering  
National Technical University of Athens

**Margarita Skamantzari**

Research Collaborator  
CIPA Member  
Laboratory of Photogrammetry of the School of Rural,  
Surveying and Geoinformatics Engineering  
National Technical University of Athens

**Click to Register: @ [UASG-2023 \(iitr.ac.in\)](https://uasg23.iitr.ac.in)**

## About the Talk:

In this tutorial, participants will receive a brief yet essential overview of the core principles behind Photogrammetry and Computer Vision, the driving forces behind Image-Based Modelling (IBM) software. The tutorial will then transition into practical hands-on experience with UAS datasets, utilizing Agisoft Metashape Pro.

### Key Takeaways:

- Understand the theory and mechanisms behind Photogrammetry and Computer Vision.
- Learn how to evaluate and select appropriate parameters within the software to achieve desired results, enhancing their ability to tailor the software for specific needs.
- Gain hands-on experience with UAS datasets using Agisoft Metashape Pro, bridging the gap between theory and real-world application.
- Make yourself aware of potential challenges and pitfalls in the entire process, from data acquisition to processing, enabling them to anticipate and address issues effectively.
- Produce accurate orthophotomosaics and surface models and becoming proficient in geospatial analysis and 3D modeling.

**Date: 19th November 2023 | 9 AM Onwards @ UASG23**