



INTERNATIONAL CARTOGRAPHIC ASSOCIATION  
Commission on Digital Technologies  
in Cartographic Heritage



<http://xeeee.web.auth.gr/ICA-Heritage/>

25<sup>th</sup> ICC / Pre-Conference Tutorial  
**3D DIGITIZATION IN CARTOGRAPHIC HERITAGE**  
**(Scanning historical globes and deformed maps)**

Paris, 2 July 2011

**{BnF}** Bibliothèque nationale de France - Tolbiac (François-Mitterrand)

Organized by the ICA Commission on Digital Technologies in Cartographic Heritage  
In cooperation with prof. Francesco Guerra, University IUAV of Venice

## PROGRAMME

- 09:30** Introduction [Evangelos Livieratos]  
**10:00 -13:00** Session 1: **Historical globes** [Andrea Adami]  
–3D scanning of historic globes;  
–Analysis of 3D globe digitization;  
–Digital representation and visualization (virtual and cartographic projection);  
–Practical demonstration (scanning, processing and mapping).  
**13:00-14:00** Lunch  
**14:00-17:00** Session 2: **Deformed maps** [Vasileios Tsioukas]  
–3D photogrammetric acquisition;  
–3D scanning digitization;  
–Processing and analysis of 3D photogrammetric model and comparison of photogrammetric and laserscanning model;  
–Digital representation  
–Practical demonstration  
**17:00** Closing



Local Organizing  
BNF: Patrick Bramoullé  
IGN: Eric Grosso

Available Instrumentation in the Tutorial:  
Minolta Vivid 9i | Scanprobe LT of Scansystems

**Attention:** Because of the limited available places (20), a strict priority list of participants will be kept.  
>> Fill the [Registration Form](#) and mail it to [livier@auth.gr](mailto:livier@auth.gr)

The Tutorial is based on in-situ implementation of 3D digitization with the use of 3D data capturing instrumentation (3D scanner, 3D photo-cameras).

Francesco Guerra, the Tutorial head, is associate professor at the University IUAV of Venice, Scientific Director of the Photogrammetry Laboratory and Scientific Coordinator of the IUAV Laboratory System.

Vasileios Tsioukas is associate professor at the Aristotle University of Thessaloniki.

Andrea Adami is a PhD holder and researcher at the IUAV Photogrammetry Lab.

Paolo Vernier is a PhD holder and researcher at the IUAV Photogrammetry Lab.

Evangelos Livieratos is professor at the Aristotle University of Thessaloniki and Chair of the ICA Commission on Digital Technologies in Cartographic Heritage.



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