

**Hour 9:00 WELCOME GREETINGS**

*Rector of Politecnico di Bari (Prof. F. Cupertino)*

*Director of Regional Directorate Museums Puglia (Dr. L. Mercuri)*

*Director of Department DMMM of Politecnico di Bari (Prof. G. Carbone)*

*JS Financial Officer Interreg – IPA CBC (Dr. A. Agrosi)*

**Hour 9:30 CAPITALIZATION OF THE PROJECT: “Virtual reality and 3D experiences to IMPROVE territorial Attractiveness, Cultural heritage smart management and Touristic development”**  
*(Prof L.M. Galantucci – Politecnico di Bari, Project Coordinator)*

**Hour 9:45 Start of the session: ON SITE CULTURAL HERITAGE 3D SCANNING EXPERIENCES IN ITALY, ALBANIA AND MONTENEGRO**

**Hour 10:00 “Egnazia Cryptoporticus and Museum - Photogrammetry and 3D printing”**  
*(PhD M.G. Guerra – DMMM Politecnico di Bari)*

**Hour 10:15 “Swabian castle of Gioia del Colle: the throne room”**  
*(Prof. M. Defino and F. Fatiguso – Dicattech Politecnico di Bari)*

**Hour 10:30 “Touching heritage in Albania: Apollonia achaeological site”**  
*(Prof. E. Piperi, Prof. I. Bodi – Polytechnical University of Tirana - ALB)*

**Hour 10:45 “Bashtova castle in Albania: 3D scanning to assess earthquake damage”**  
*(PhD R.A. Galantucci – Dicattech Politecnico di Bari, - Prof. E. Piperi– Polytechnical University of Tirana – ALB)*

**Hour 11:00 “Aerial 3D scanning and modelling of the fortress of Medun in Montenegro”**  
*(Prof. F. Lavecchia – DMMM Politecnico di Bari)*

**Hour 11:15 Coffee break**

**Hour 11:30 Start of the session: PRACTICAL LABORATORIES USING 3D SCANNERS AND 3D PRINTERS FOR HISTORICAL ARTEFACTS DOCUMENTATION AND REPLICAS**

**Hour 11:45 Practical laboratories using 3D scanners and 3D printers for historical artefacts documentation and replicas**

**Hour 12:15 Optimization of the photographic dataset; The photogrammetric process for alignment, generation of the dense cloud and the mesh model and texture**

**Hour 12:45 Lunch break**

**Hour 14:00 Optimization of the photogrammetric mesh and preparation of the 3D model**

**Hour 15:30 From relief to 3D printing: available techniques and methods. Outlines of virtual mesh restoration**

**Hour 17:00 END OF SESSIONS AND FINAL REMARKS**

**The workshop is dedicated to professionals of the sector, researchers, PhD students and students. Participation is free, upon registration, until all available places are filled.**

## PROJECT 3D-IMP-ACT PLUS CAPITALIZATION

Workshop: “3D scanning and printing of historical artefacts for inclusive fruition of cultural heritage”

**Thursday, 13<sup>th</sup> April 2023**  
**Hours 9:00 – 17:00**

**Politecnico di Bari**  
**Department of Mechanics, Mathematics and Management**  
**Via Orabona 4, 70125 Bari, Italy**  
**Oplà space n°3, JEBA – Progetto Ingegneria,**  
**Ground Floor near to Atrio Cherubini**

**The workshop is dedicated to professionals of the sector, researchers, PhD students and students.**

**Participation is free, upon registration, subject to availability**

Registration form link:

[https://forms.office.com/Pages/ResponsePage.aspx?id=q2pAW\\_GhE0-nqt1XPaPTMpaegWvzCplrr8bPgjtoehUQkqxOEY4MkNWR0VPMUNSTUtFTERWQkpXRI4u](https://forms.office.com/Pages/ResponsePage.aspx?id=q2pAW_GhE0-nqt1XPaPTMpaegWvzCplrr8bPgjtoehUQkqxOEY4MkNWR0VPMUNSTUtFTERWQkpXRI4u)



### PROJECT PARTNERS

Politecnico di Bari – DMMM  
Politecnico di Bari – DICATECH  
Regional Directorate Museums Puglia – RDMP  
Albanian National Institute for Cultural Heritage  
Polytechnic University of Tirana – UPT University of Montenegro – UCPG



Website:

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