

# Digital Discoveries in Architectural Heritage: from 3D mapping to phygital experiences

## 8 - 13 June 2024, Faculty of Architecture and Urban Planning, Technical University of Cluj-Napoca, Romania

PhD arch. Raffaella De Marco, University of Pavia, Italy and Al-Quds University of Jerusalem, Israel  
assit.prof.PhD arch. Eslam Nofal, University of Sharjah, United Arab Emirates  
prof.PhD arh. Virgil Pop, Faculty of Architecture and Urban Planning, UTCN  
prof.PhD eng. Dorian Gorgan, Faculty of Computers, UTCN, director of AITECH  
prof.PhD eng.Călin Neamțu, Faculty of Robotics, UTCN, 3D Scanning Laboratory  
assist.prof.PhD arch. Alina Elena Voinea, Faculty of Architecture and Urban Planning, UTCN

1	2	3	4	5	6
8 iunie	9 iunie	10 iunie	11 iunie	12 iunie	13 iunie
Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
UTCN campus	HUB UTCN	HUB UTCN	HUB UTCN	HUB UTCN	UTCN campus
CAMPUS ARRIVAL GREETINGS CHECK IN	UTCN CAMPUS presentation Observator to Baritiu	<b>DAY I</b>	<b>DAY II</b>	<b>DAY III</b>	CHECK OUT GOOD BYE DEPARTURE
		08:30 Campus Observator meeting point	08:30 Campus Observator meeting point	08:30 Campus Observator meeting point	
		09:00 WELCOME to HUB UTCN	09:00 WELCOME to HUB UTCN	09:00 WELCOME to HUB UTCN	
		09:30 Opening and Introduction assoc.prof.PhD arch. Șerban Țigănaș dean of FAU	09:30 3D Scanning prof.PhD eng. Călin Neamțu	09:30 Phygital Heritage: Promising Medium of Heritage Communication assist.prof. PhD arch. Eslam Nofal	
		09:45 Digital Survey and the Production of 3D Databases on Architectural Heritage PhD arch. Raffaella De Marco	10:30 High Performance Infrastructure for Graphics Processing and Visualization prof.PhD eng. Dorian Gorgan	10:00 Virtual Heritage and Web Repositories: Setting Narratives on Cultural Heritage PhD arch. Raffaella De Marco	
		10:30 Tutorial about Digital Photography PhD arch. Raffaella De Marco assist.prof. PhD arch. Eslam Nofal	11:45 Tutorial: Visualisation and Morphometric Analysis tools from 3D Point Clouds PhD arch. Raffaella De Marco	10:30 Informative Enrichment of 3D Virtual Models for the Web PhD arch. Raffaella de Marco	
		Lunch break	12:00 Lunch break	13:00 Lunch break	
		13:00 Architectural History of the Selected Buildings prof. PhD arh. Virgil Pop On-site lecture and field study PhD arch. Raffaella De Marco assist.prof. PhD arch. Eslam Nofal assist.prof. PhD arch. Alina Voinea	14:00 assist.prof.PhD arch. Paul Moldovan Holy Trinity historical site Survey and research project @ateliercetrei  In studio application	12:15 Closing Remarks and Certificates	
		13:30 SITE 1 - Calvaria Church historical site		13:00	
		15:30 SITE 2 - Holy Trinity Church historical site		14:00	
		18:00	18:00	18:00	