

**PRELIMINARY PROGRAM**

9 September 2025		
8:30 -10:00	REGISTRATION	
10:00-11:00	Roxana Radvan- INOE 2000 - PRESIDENT LACONA XIV  Representative of the National Agency for Research;  Representative of the Ministry of Culture;  Viorel Vulturescu - Director ANC	
11:00-11:15	Costas Fotakis IESL – FORTH, Institute of Electronic Structure and Lasers	Safeguarding the future of our past
11:15-11:30	Wolfgang Kautek University of Vienna, Department of Physical Chemistry, Vienna	LACONA – 30 years trailblazing lasers for cultural heritage
11:30-11:45	Roxana Radvan INOE 2000	A Journey Through Time: INOE Contributions to Heritage Science
11:45-12:00	COFFEE BREAK	
CHAIRPERSON -Johann Nimmrichter- Federal Office of Historical Monuments (Bundesdenkmalamt), Department for Restoration and Conservation, Vienna, Austria		
TIME	INVITED SPEAKERS	TITLE
12:00-12:30	Iacopo Osticioli IFAC/CNR - Florence, Italy	Multi-analytical molecular mapping for assessing the quality of natural ultramarine blue pigment in painting cross-sections
12:30-13:00	Ioana Maria Cortea INOE 2000 - Bucharest, Romania	Materials and painting techniques of ancient wall painting fragments from roman dacia: current state of research
13:00-14:00	LUNCH BREAK	
14:00-14:20	Marina Polizzi University of Turin	Study of active fiber lasers: influence of the selectable parameters in the cleaning process
14:20-14:40	Marta Cremonesi University of Antwerp – Antwerpen, Belgium	Contact-less cleaning methods for soot removal from historical silk: Nd:YAG vs plasma-generated atomic oxygen
14:40-15:00	Irina Huică National University of Arts - Bucharest, Romania	Ghostly images in a 19th century wall painting explained by scientific investigations

15:00-15:20	Jose Santiago Pozo Antonio Universidade de Vigo	Cleaning of fresco and tempera mock-ups by means of a ND:YAG at 1064 nm
15:20-15:40	Vesna Pungerčar Rudolfo – Science and Technology Centre - Novo mesto, Slovenia	Morphological diagnostics using 3d laser scanning, 3d modelling, and 3d Technology printing for the replication and preservation of heritage artefacts
15:40-16:00	Jose Santiago Pozo Antonio Laura Andres-Herguedas Universidade de Vigo	Assessment of Visible or Near Infrared Hyperspectral Imaging for Evaluating Laser Cleaning Effectiveness on Tempera Mock-Ups
16:00-16:30	COFFEE BREAK	
CHAIRPERSON – Bogdan Bitai- INOE 2000		
16:30-17:30	SPONSOR PRESENTATION	
16:30-18:30	POSTER SESSION	

TIME	INVITED SPEAKERS	TITLE
CHAIRPERSON – Coleen O'Shea - J. Paul Getty Museum		
09:30 - 10:00	Monica Dinu INOE 2000 - Bucharest, Romania	Characterization of complex layers in cultural heritage using a multivariate and multimodal analytical approach
10:00 - 10:30	Irina Crina Anca Sandu Munch Museum, Oslo	The Scream motif: new perspectives to its study and colors perception
TIME	SPEAKER	TITLE
10:30 - 10:50	Wolfgang Kautek University of Vienna, Department of Physical Chemistry, Vienna	Laser cleaning of historical copper roofing
10:50 - 11:10	Cardinale Emanuela Freelance Cultural Heritage Conservator-Restorer Based in Matera, Italy	Laser cleaning for gilded polychrome surfaces: A case study in a 16th century relief
11:10 - 11:30	Eleonora Cerra Prince’s Palace of Monaco –Monaco	Choice of laser ablation system and evaluation of results during the cleaning phase of the 16th-century grotesques in the prince’s palace of Monaco
11:30 - 11:40	COFFEE BREAK	
CHAIRPERSON - Jose Santiago Pozo Antonio - Universidade de Vigo		
11:40 - 12:00	Claudiu Tanaselia INOE 2000 ICIA -Cluj-Napoca, Romania	Lead isotopic ratio investigation of glazed ceramics using inductively coupled plasma mass spectrometry
12:00 - 12:20	Diego Quintero Balas NRC/NIO - Florence, Italy	Integrated imaging and cleaning strategies for the diagnosis and restoration of daguerreotypes: access to advanced infrastructural research facilities
12:20 -12:40	Ioana Gomoiu Microbiology Department Institute of Biology Bucharest of Romanian Academy	Research of the architectural surfaces at the church of "St. Martin" in the village of Motis, Sibiu County
12:40 - 13:00	Eleni Anna Pirgianaki IESL/FRT Hellas - Heraklion, Crete, Greece	Non-Invasive Optoacoustic Imaging for In-Depth Cultural Heritage Diagnostics
13:00 - 14:00	LUNCH BREAK	
CHAIRPERSON – Monica Dinu – INOE 2000		
14:00 - 18:00	WORKSHOP iPhotoCult THE FILIPESCU-CESIANU HOUSE Address: No. 151 Calea Victoriei	
14:00 - 18:00	GUIDED TOUR – The THEODOR AMAN MUSEUM Address: No. 8 C.A. Rosetti Street	
	GUIDED TOUR - The NATIONAL MUSEUM OF ART OF ROMANIA Adress: No.49-53 Calea Victoriei	

11 September 2025		
Time	INVITED SPEAKER	TITLE
CHAIRPERSON - Wolfgang Kautek -University of Vienna, Department of Physical Chemistry, Vienna		
09:30 - 10:00	Sorin Hermon The Cyprus Institute – Cyprus, Greece	Vincent Detalle's augmented heritage object - a visionary approach towards a unified framework in cultural heritage studies
10:00 - 10:30	Rodica-Mariana Ion University VALAHIA Targoviste, Romania	Methods and techniques in diagnostics, conservation-restoration of cultural heritage
Time	SPEAKER	TITLE
10:30 - 10:50	Xueshi Bai Centre de Recherche et de Restauration des Musées de France (C2RMF), France	LIBS Stratigraphic and Elemental Analysis for Evaluating Conservation Treatments in Fossils
10:50 - 11:10	Sarah Richiero SATIE, C2RMF, FSP	Assessing the influence of heat treatment and quenching on carbon quantification in ancient steels by laser-induced breakdown spectroscopy (LIBS)
11:10 - 11:30	Perrine Schloegel Laboratoire Epitopos Strasbourg, France	The repetability of two LIBS systems to classify gildings
11:30 - 12:00	COFFEE BREAK	
CHAIRPERSON – Luminita Ghervase – INOE 2000		
12:00 - 12:20	Martin Labouré MESCLA, Strasbourg, France	How to clean tagged pictographs? On field and experimental results
12:20 - 12:40	Jose Santiago Pozo Antonio Universidade de Vigo	Laser cleaning of vandalic graffiti paints on contemporary wall paintings
12:40 - 13:00	Yezi Zhang University of Turin	Sustainable coating material enhances laser cleaning selectivity on contemporary mural and street art
13:00 - 14:00	LUNCH BREAK	
14:00 - 14:20	Cristiano Riminesi National Research Council, Institute of Heritage Science, (CNR –ISPC) Italy	A preliminary investigation of dry cleaning plaster casts and moulds with coatings using laser and plasma methods
14:20 - 14:40	Gonzalo Buceta Bruneti Universidade de Vigo	Influence of the pigment and binder on the laser cleaning of graffit in cave paintings mock-ups with an Er:YAG
14:40 - 15:00	Claudia Daffara University of Verona	Speckle-based imaging techniques for the diagnostics of historical violins
15:00 - 15:20	Dumitru Scutelnic University of Verona	Text recognition in historical manuscripts: a comparative study of classical deep learning and object detection-based approaches
15:20 – 15:45	COFFEE BREAK	
15:45 - 18:00	ROUND TABLE	
19:00	DINNER	

12 September 2025		
Time	SPEAKER	TITLE
<b>CHAIRPERSON</b> – Camelia Comsia - the National Museum of Art of Romania		
<b>10:30 – 10:50</b>	<b>Alecsandru Chiroasca</b> University of Bucharest -Bucharest, Romania	Computer vision machine learning tooling for cultural heritage
<b>10:50 – 11:10</b>	<b>Catalin Vitelaru</b> INOE 2000 - Măgurele, Ilfov	Multi-disciplinary research at the National Institute of Research and Development for Optoelectronics: the road to excellence and sustainability
<b>11:10-11:30</b>	<b>Alecsandru Chiroasca</b> University of Bucharest, Bucuresti, Romania	Keeping knowledge in cultural heritage using Large Language Models
<b>11:30-12:00</b>	<b>COFFEE BREAK</b>	
<b>12:00-13:00</b>	<b>CLOSING SESSION</b>	