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Interdisciplinary workshop and knowledge spill-over on the enhanced application of analytical methods in conservation science

University of Sarajevo, Faculty of Science
Zmaja od Bosne 33-35, 71000 Sarajevo, B&H
Hybrid event - join us online!

Analytical Horizons in Heritage Conservation

A G E N D A

DAY 1 - OCTOBER 29TH, 2025

Venue: Amphitheatre Tri fizičara & on-line

Time	Topics	Lead	Lectures / practicals
08:30 - 09:00	<i>Registration of participants</i>		
09:00 - 09:30	- Welcome speech by UNSA - Presentation of the STECCI project - Overview of the workshop program and objectives	UNSA Prof. Dr. Nusret Drešković and Prof. Dr. Saída Ibragić	L
09:30 - 10:45	Conservation Science: The Intersection of Science and Cultural Heritage - Importance of scientific methods in the preservation of cultural heritage - Case studies - Questions	SPK Prof. Dr. Stefan Simon	L
10:45 - 12:00	<i>Analysis of Climate Change Effects on biodegradation of building materials</i> - Climate Change and Biodegradation of Building Materials - The role of environmental factors (temperature, humidity, pollutants) in the degradation of cultural heritage materials - Questions	UNSPMF, UNSA Prof. Dr. Snežana Radulović Prof. Dr. Samir Đug	L
12:00 - 13:00	<i>Lunch time</i>		
13:00 - 13:30	<i>The importance of interdisciplinary collaboration in conservation science</i> - Lessons learned from STECCI	SPK, UMAS Dr. Abdelrhman Fahmy	L
13:30 - 14:15	<i>Innovative Materials and Techniques for Preservation I</i> - Emerging technologies and their potential impact on cultural heritage preservation	Asst. Prof. Krešimir Bosnić	
14:15 - 14:30	<i>Coffee break</i>		
14:30 - 15:45	<i>Introduction to the analytical work in conservation science</i> - Different non-invasive and invasive methods such as FTIR, XRF, etc. – theory and case studies - Questions	UAA Dr.rer.nat. Marta Anghelone	L



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DAY 2 - OCTOBER 30TH, 2025

Venue: Amphitheatre Tri fizičara & on-line

Time	Topics	Lead	Lectures / practicals
09:00 - 10:30	<i>Combined use of ultrasonic pulse velocity testing and digital technologies</i> - Ultrasound pulse velocity / US tomography - Theory and case studies - Questions	SPK Prof. Dr. Stefan Simon Dr. Abdelrhman Fahmy	L
10:30 - 12:00	<i>The role of phase analyses and microscopy in conservation science (part I)</i> XRD – theory and case studies Understanding the behaviour of mineral building materials	IMT Assoc. Prof. Dr. Vincent Thiery	L
12:00 - 13:00	<i>Lunch time</i>		
13:00 -13:30	- The story behind stecci nomination for the UNESCO world heritage list	Dr. Ivan Alduk	
13:30 - 14:15	<i>Innovative Materials and Techniques for Preservation II</i> - Overview of new materials and methods in the field of restoration and conservation	UMAS Assoc. Prof. Siniša Bizjak	L
14:15 - 14:30	<i>Coffee break</i>		
14:30 - 16:00	<i>Practical demonstrations 1</i> (XRD)	UNSA Mr. Kerim Hrvat	P



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DAY 3 - OCTOBER 31ST, 2025

Venue: Details will be provided on the day of the workshop. Online participation is available for the lecture and closing session only.

Time	Topics	Lead	Lectures / practicals
08:30 - 09:45	<i>The role of phase analyses and microscopy in conservation science (part II)</i> Optical and electron microscopy – theory and case studies	UAA Dr.rer.nat. Farkas Pinter	L
10:00 - 12:00	<i>Practical demonstrations 2</i> (OM; SEM-EDS)	UAA Dr.rer.nat. Farkas Pinter	P
10:00 - 12:00	<i>Practical demonstrations 3</i> (UPV, FTIR)	SPK Prof. Dr. Stefan Simon, Dr. Abdelrhman Fahmy	P
12:00 - 13:00	Lunch time		
13:00 - 15:00	<i>Practical demonstrations 2</i> (OM; SEM-EDS)	UAA Dr.rer.nat. Farkas Pinter	P
13:00 - 15:00	<i>Practical demonstrations 3</i> (UPV, FTIR)	SPK Prof. Dr. Stefan Simon, Dr. Abdelrhman Fahmy	P
15:00 - 16:00	Discussion, key takeaways, closing remarks Distribution of certificates and evaluation forms	Prof. Dr. Nusret Drešković and Prof. Dr. Saida Ibragić All STECCI partners (UAA, SPK, UMAS, IMT)	