

Mon, Sept 02

Tue, Sept 03

Wed, Sept 04

Thu, Sept 05

Fri, Sept 06

Preliminary Program. All times are subject to change. Chairs of the oral sessions are listed at the beginning of sessions.

08:00 Registration

09:00 Congress Opening and Welcome Address
Dr. Jelka Pirkovič, Director General, Institute for the Protection of Cultural Heritage of Slovenia
Dr. Franc Demšar, Director, Slovenian Research Agency
Špela Španžič, Acting Director-General, Cultural Heritage Directorate, Ministry of Culture of Slovenia

09:30 Chairman: Peter Vandenabeele

Plenary Lecture 1, PL1
Howell G.M. Edwards, Raman Spectroscopy of Extremophilic Biodeterioration: An Interface Between Archaeology and the Preservation of Cultural Heritage

10:20, OP1 Annalaura Casanova Muncichia et al. Identification of endolithic survival strategies on stone monuments
10:40, OP2 Katja Kavkler et al. FT-Raman analysis of historical cellulosic textiles infected by fungi

11:00 Coffee & Tea

11:30 Chairman: Danilo Bersani

11:30, OP3 Anuradha Pallipurath et al. Combined FT-Raman and Fibre-Optic Reflectance Spectroscopy Characterisation of Simulated Medieval Paint Films: a Chemometric Study of the Effects of Natural and UV-Accelerated Ageing
11:50, OP4 Tanja Špec et al. Study of malachite degradation in easel (model) paintings by spectroscopic analysis
12:10, OP5 Juan Manuel Madariaga et al. Portable and laboratory analysis to diagnose the formation of efflorescence on walls and wall paintings of Insula IX, 3 (Pompeii, Italy)

12:30, OP6 Ayora-Cañada María José et al. Decorated plasterwork in the Alhambra investigated by Raman spectroscopy: field and laboratory comparative study
12:50, OP7 Céline Daher et al. Multi-technical approach for the study of French Decorative Arts furniture and luxury objects

13:10 Lunch break

14:30 Chairman: Marta S. Maier

14:30, P1 Ilaria Costantini et al. Deterioration of lead based pigments on a fresco: a micro-Raman investigation
14:35, P2 Klara Retko et al. Investigation of colour layers in easel (model) paintings influenced by different ageing processes
14:40, P3 Vanessa Otero et al. Identification of copper azelate in 19th century Portuguese oil paintings: characterisation of metal soaps by Raman Spectroscopy

14:45, P4 Alessia Coccato et al. Raman study of pigment degradation due to acetic acid vapours
14:50, P5 Thiago Sevilhano Puglieri et al. Investigating the sources of degradation in corroded lead sculptures from Oratory Museum, Brazil

14:55

Poster Session 1: Oral presentations of best poster contributions. Grid of posters P6 to P39.

15:45 Coffee & Tea

16:15 Chairman: Polonca Ropret

16:15, OP8, RENISHAW New Methods in Raman Spectroscopy – Combining Other Microscopes for mineral and pigment analysis
16:35, OP9, HORIBA JOBIN YVON Horiba Jobin Yvon advances in Raman instrumentation: explore new boundaries in art and archaeology
17:15, OP11, BAYSPEC Novel 1064 nm Dispersive Raman Spectrometer and Raman Microscope for Non-invasive Pigment Analysis

20:00 Welcome reception at the City Hall, Red Hall
Mag. Matejž Demšič, Head of the Department for Culture of the City of Ljubljana

09:10 Chairman: Francesca Casadio

Plenary Lecture 2, PL2
Marco Leona, Surface-enhanced Raman spectroscopy in Art and Archaeology

10:00, OP12 María Vega Cañamares et al. TLC-SERS of mauve, the first synthetic dye
10:20, OP13 Klara Retko et al. New photoreduced substrate for SERS analysis of organic colorants
10:40, OP14 Pablo S. Londero et al. Laser Ablation Surface-enhanced Raman Microspectroscopy

11:00 Coffee & Tea

11:30 Chairman: Marco Leona

11:30, OP15 Ambra Idone et al. Silver colloidal pastes for the analysis via Surface Enhanced Raman Scattering of colored historical textile fibers: some morphological and spectroscopic considerations
11:50, OP16 Brenda Doherty et al. Surface enhanced Raman spectroscopy for dyes and pigments - Can non-invasive investigations become a reality?
12:10, OP17 N. R. Agarwal et al. Surface Enhanced Raman Scattering of organics dyed on noble metal substrates prepared by pulsed laser ablation

12:30, OP18 Rita Castro et al. Combining SERS with chemometrics: a promising technique to assess historical samples with historically accurate reconstructions
12:50, OP19 Maria Lorena Roldan et al. Characterization and identification of Asphalts in Works of Art by SERS complemented by GC-MS, FTIR and XRF
13:10, OP20 Francesca Rosi et al. Study of Raman scattering and luminescence properties of orchil dye for its nondestructive identification on artworks

13:30 Lunch break

14:40 Chairman: Maria Vega Cañamares

14:40, P20 Ambra Idone et al. Application to historical samples of in situ, extractiveless SERS for dye analysis
14:45, P21 Federica Pozzi et al. Application of SERS to the analysis of red lakes in French Impressionist and Post-Impressionist paintings
14:45, P22 Chiara Zaffino et al. Surface-Enhanced Raman Spectroscopy (SERS) of historical dyes on textile fibers: evaluation of an extractionless treatment of samples

14:50, P23 Elena Platania et al. Suitability of Ag-agar gel for the micro-extraction of organic dyes on different substrates: the case study of wool, silk, printed cotton and panel painting mock-ups
14:55, P24 Jolien Van Pevnagen et al. Pb15 polymorphic distinction in paint samples by combining micro-Raman spectroscopy and chemometrical analysis

15:05

Poster Session 2: Oral presentations of best poster contributions. Grid of posters P25 to P39.

15:55 Coffee & Tea

16:25 Chairman: Francesca Rosi

16:25, OP21 Tadeja Kosec et al. Raman investigation of artificial patinas on recent bronze, protected by different azole type inhibitors in outdoor environment
16:45, OP22 Giorgia Ghiara et al. MicroRaman Investigation on corrosion of Pb-Based Alloy Replicas
17:05, OP23 Julene Aramendia et al. Conservation diagnosis of weathering steel sculptures using a new Raman quantification imaging approach

17:25, OP24 Kepa Castro et al. Raman study of the salts attack in archaeological metallic objects of the Middle Age: The case of Ereñozar castle (Bizkaia, Spain)

18:00 Opening of the art photography exhibition at the Ljubljana Castle
Nino Vranic – memories of heritage, Ars Sloveniae 1967-1970
dr. sc. Andrea Zlatar-Vlačić, Croatian Minister of Culture
dr. Uroš Grič, Slovenian Minister of Culture
dr. Jelka Pirkovič, Director General of the Institute for the Protection of Cultural Heritage of Slovenia
Jernej Hudolin, Head of Restoration Centre, Institute for the Protection of Cultural Heritage

20:00 Cocktail Party, City Museum Ljubljana
Blaz Peršin, Director of Museum and Galleries of Ljubljana
Guided tour through the exhibition THE WHEEL – 5,200 Years



09:10 Chairman: Howell G. M. Edwards

Plenary Lecture 3, PL3
Juan Manuel Madariaga, The Contribution of Archaeometry to Understanding of the Past Effects and Future Changes in the World Heritage Site of Pompeii (Italy)

10:00, OP25 Paulo T. C. Freire et al. Raman spectroscopy applied to the study of Cretaceous fossils from Araripe Basin, Northeast of Brazil
10:20, OP26 Linda C. Prinsloo et al. Raman spectroscopic analyses of ~75 000 year old stone tools from Middle Stone Age deposits in Sibudu Cave, KZN, South Africa
10:40, OP27 Peter Vandenabeele et al. Raman spectroscopy in archaeometry: multi-method approaches and in situ investigations: advantages and drawbacks

11:00 Coffee & Tea

11:30 Chairman: Lucia Burgio

11:30, OP28 Jolien Van Pevnagen et al. Spectroscopic Analysis of Chinese Porcelain Excavated in Clairfontaine (Belgium): Pigment Identification and Dating
11:50, OP29 Laura Medeghini et al. Characterization of ancient ceramic using micro-Raman spectroscopy: (Belgium): Pigment Identification and Dating

12:10, OP31 Maria Cristina Caggiani et al. The blue colour of glass and glazes in Swabian contexts (South of Italy): an open question
12:30, OP32 Antonio Hernandez et al. Spectroscopic characterisation of crutis interstratified with prehistoric paintings preserved in open-air rock art shelters

12:50 Lunch break

14:30 Chairman: Pietro Baraldi

14:30, P40 Claudia Invernizzi et al. Micro-Raman on Roman glass mosaic tesserae
14:35, P41 Doris Möncke et al. Raman and IR Spectroscopic Study of Vitreous Artefacts from the Mycenaean to Roman Period: Glassy Matrix & Crystalline Pigments
14:40, P42 Irene Allatis et al. The detection of Copper Resinate pigment in works of art: contribution from Raman spectroscopy

14:45, P43 Claudia Pelosi et al. Micro-Raman and internal micro-stratigraphic analysis of the paintings materials in the rock-hewn church of the Forty Martyrs in Şahinefendi, Cappadocia (Turkey)
14:50, P44 Erica Lambroschi et al. Vibrational characterization of the new gemstone Pezzottaite

14:55

Poster Session 3: Oral presentations of best poster contributions. Grid of posters P45 to P60.

15:45 Coffee & Tea

16:15 Chairman: Costanza Miliani

16:15, OP33 Danilo Bersani et al. Characterization of emeralds by micro-Raman spectroscopy
16:35, OP34 Miha Jeršek et al. Raman micro spectroscopy of inclusions in gemstones from a chalice made in 1732
16:55, OP35 Lucia Burgio et al. Spectroscopic investigation: impurities in azurite as provenance markers

17:15, OP36 Barbara Lydzba-Kopczyńska et al. Implementation of scientific methods of fine art authentication into forensics procedures: the case study of "Bolko II Świdnicki" by J.J. Knechtel
17:35, OP37 Danny Lambert et al. Raman analysis of multilayer automotive paints in forensic science: measurement variability and depth profile

20:00 Conference Dinner
Grand Hotel Union, Ljubljana

09:10 Chairman: Juan Manuel Madariaga

Plenary Lecture 4, PL4
Costanza Miliani, The Art of non-invasive in situ Raman spectroscopy: identification of chromate pigments on Van Gogh paintings

10:00, OP38 Debbie Lauwers et al. Characterisation of a new mobile Raman spectrometer for in-situ analysis
10:20, OP39 Martin A. Ziemann On-site high-resolution Raman spectroscopy on minerals and pigments
10:40, OP40 Odile Madden et al. Molecular characterization and technical study of historic aircraft windows and head gear using portable Raman spectroscopy

11:00 Coffee & Tea

11:30 11:30 ROUND TABLE RAMAN SPECTRAL DATABASE
Scientific Committee and all participants

Plenary Lecture 5, PL5
Marcello Picollo et al. The Infrared and Raman Users Group Web-based Raman Spectral Database

12:30 Concluding remarks. Polonca Ropret

OTHER ONGOING EVENTS

Ongoing Accompanying Programme at the Ljubljana Castle To be announced on site.

End of Conference