

2 September, Monday		
16:00 - 18:00	registration	WIS-floor, Centre of Potsdam
DAY 1 - 3 September, Tuesday		
8:00-9:30	registration	conference site Campus Griebnitzsee
09:30 - 10:00	Opening of the conference	
Session 1 - Material characterization and degradation processes		
10:00 - 10:40	KL1 Keynote lecture	Kepa Castro (Spain) <i>Unexpected degradation mechanisms in cultural heritage</i>
10:40 - 11:00	OP1	Philippe Sciau (France) <i>Study of the Raman spectrum of rare ϵ-Fe_2O_3 polymorph from ancient Chinese glazes</i>
11:00 - 11:30	Coffee break	
Session 2 - Material characterization and degradation processes		
11:30 - 11:50	OP2	Thorsten Allscher (Germany) <i>Glass or gemstone? – A systematic review of the jewelled bindings from the collections of the Bayerische Staatsbibliothek</i>
11:50 - 12:10	OP3	Danilo Bersani (Italy) <i>Nondestructive investigation on the 6th century Lombard jewelry collection</i>
12:10 - 12:30	OP4	Zoltan Pal (Romania) <i>From naturally occurring aragonite to Art Nouveau decorative objects: Corund deposit, Romania and it's Aragonite Museum seen by multi-laser micro-Raman spectroscopy</i>
12:30 - 12:50	OP5	Simona Raneri (Italy) <i>Raman spectroscopy as a tool for provenancing black limestones (bigi morati) used in antiquity</i>
12:50 - 14:00	Lunch break	
Session 3 - Raman spectroscopy in archaeology and paleoenvironment		
14:00 - 14:40	KL2 Keynote lecture	Alessandro Vergara (Italy) <i>On the production from furnaces in archaeological sites</i>
14:40 - 15:00	OP6	Thomas Schmid (Germany) <i>Raman band widths of anhydrite II reveal the burning history of high-fired medieval gypsum mortars</i>
15:00 - 15:20	OP7	Tian Wang (China) <i>Raman spectroscopy analysis of the microstructure of celadon from Yaozhou kiln</i>
15:20 - 15:40	OP8	Martin Ziemann (Germany) <i>Raman spectroscopic investigation of mechanisms of calcite-aragonite transitions of a Holocene high-alpine stalagmite from Central Switzerland</i>
15:40 - 16:00	OP9	Juan Manuel Madariaga (Spain) <i>The influence of sediments on some extracted iron nails from the recovered Urbieta shipwreck (Gernika, North of Spain)</i>
16:00 - 16:30	Coffee break	
16:30	end	
17:30	Welcome reception	Old Town Hall (Altes Rathaus) of Potsdam

Session 4 - Development of Raman techniques, new Raman instrumentation

09:30 - 10:10 KL3 **Keynote lecture** Peter Vandenabeele (Belgium)
*Comparison of Mobile State-of-the-Art Raman Instruments and New Perspectives
in Cultural Heritage Studies*

10:10 - 10:30 OP10 Christoph Berthold (Germany)
*Merging Raman Spectroscopy with X-ray Microdiffraction and X-ray Fluorescence:
Surplus for the Characterization of ancient and modern materials*

10:30 - 10:50 OP11 Anastasia Rousaki (Belgium)
*In or out the laboratory: A direct comparison of micro- and portable Raman
spectroscopy on the analysis of Patagonian rock art (Argentina)*

10:50 - 11:20 **Coffee break**

Session 5 - Presentations by sponsors

11:20 - 11:40 OP12 Sponsor1

11:40 - 12:00 OP13 Sponsor2

12:00 - 12:20 OP14 Sponsor3

12:20 - 12:40 OP15 Sponsor4

12:40 - 14:00 **Lunch break**

14:00 - 16:00 **Poster Session with coffee and soft drinks**

Session 6 - Chemometrics in Raman spectroscopy and Material characterization

16:00 -16:40 KL4 **Keynote lecture** Barbara Łydzba-Kopczyńska (Poland)
Fading in the spectroscopic determination of the age of ballpoint ink

16:40 -17:00 OP16 Enrico Pigorsch (Germany)
New Insights into Paper. Chemical Paper Analysis by Raman Microscopy

17:00 -17:20 OP17 Oana Florescu (Romania)
*Determining the archaeometric and chemometric characteristics of the old documents.
Paper and writing support*

17:20 -17:40 OP18 Adele Bosi (Italy)
*Identification of synthetic organic pigments in Gebrüder Schmidt printing inks
by Raman spectroscopy – A case study*

17:40 -18:00 OP19 Marta Manso (Portugal)
The colours of the Power plant in Levada de Tomar

18:00 end

Session 7 - Material characterization and Conservation issues

- 09:30 - 10:10 KL5 **Keynote lecture** Dalva L. A. de Faria (Brasil)
An unlikely Modigliani?
- 10:10 - 10:30 OP20 Anna Rygula (Poland)
The conservation of 18th century gun-powder horn with amber decoration: a top-down approach
- 10:30 - 10:50 OP21 Danuta Stępień (Poland)
Raman Spectroscopy in the Restoration of an Our Lady of Czestochowa Icon
- 10:50 - 11:20 **Coffee break**

Session 8 - Material characterization and degradation processes

- 11:20 - 11:40 OP22 Camila Mortari (Portugal)
Micro-Raman and X-ray fluorescence spectroscopy applied to the characterization of glazes from Portuguese azulejos
- 11:40 - 12:00 OP23 Javier Pinto (Spain)
Investigating glass beads and the funerary rituals of ancient Vaccaei culture (s. IV-II BC) by Raman Spectroscopy
- 12:00 - 12:20 OP24 Nurdan Yucel (Turkey)
Raman Identification, Compositional Characteristics and Degree of Deterioration in Ancient Komana Glass Bracelets
- 12:20 - 12:40 OP25 Sandra Sigmund (Germany)
Insight into concrete deterioration with Raman spectroscopy
- 12:40 **Lunch break**

Session 9 - Material characterization, Development of Raman techniques, SERS

- 14:00 - 14:40 KL6 **Keynote lecture** Stephanie Zaleski (USA)
Characterization of the degree of crystallinity in zinc soaps with variable-temperature Raman spectroscopy
- 14:40 - 15:00 OP26 Klara Retko (Slovenia)
SERS-procedure in the heritage science by utilising photoreduced substrates based on HPC and silver nanoparticles
- 15:00 - 15:20 OP27 Daniela Reggio (Spain)
Multipurpose SERS substrates for nanodestructive detection of small molecules in collections
- 15:20 - 15:40 OP28 María Vega Cañamares (Spain)
FT-Raman, SERS and DFT analysis of safflower red dyed Japanese paper
- 15:40 - 16:10 **Coffee break**

Session 10 - Material characterization and degradation processes

- 16:10 - 16:50 KL7 **Keynote lecture** Armida Sodo (Italy)
Spectroscopic investigation of Cappadocia proto-Byzantine paintings
- 16:50 - 17:10 OP29 Lucile Brunel-Duverger (France)
A Study of Copper Greens found on Yellow Coffins from the Egyptian Antiquities Department of the Louvre Museum
- 17:10 - 17:30 OP30 Kepa Castro (Spain)
Raman investigation for the understanding of a blackening phenomenon on late Gothic wall paintings
- 17:30 end
- 19:00-23:00 Conference dinner Restaurant in the Arcona hotel Potsdam

DAY 4 - 6 September, Friday

9:00 - 17:00 excursion day

DAY 5 - 7 September, Saturday

conference site Campus Griebnitzsee

Session 11 - Material characterization, commercial pigments

09:30 - 10:10 KL8 **Keynote lecture** Danilo Bersani (Italy)

Analysis of pigments by Raman spectroscopy

10:10 - 10:30 OP31 Christoph Herm (Germany)

Early 20th century commercial pigments from a manufacturer's sample collection analyzed with Raman spectroscopy

10:30 - 10:50 OP32 Lavinia de Ferri (Norway)

Characterization of powdered pigments for pictorial retouching by Raman spectroscopy

10:50 - 11:20 **Coffee break**

Session 12 - Material characterization and degradation processes

11:20 - 11:40 OP33 Stefano Legnaioli (Italy)

New evidence for the intentional use of calomel as a white pigment

11:40 - 12:00 OP34 Teresa Madeira (Germany)

Tubes of paint used by Vieira da Silva (1908-1992): Application of Raman spectroscopy and complementary techniques

12:00 - 12:20 OP35 Eva Mariasole Angelin (Portugal)

A closer look at red in Portuguese historical plastics: a Raman microscopy study

12:20 - 13:00 **Discussion and concluding remarks**

13:00 - 14:00 **Coffee**

14:00 end