

5th International Seminar and Workshop

**Emerging Technology and Innovation
for Cultural Heritage (ETICH)**

ASTRA National Museum Complex

Sibiu, September 12-14, 2017



**Organic Artefacts
From Research to Exhibition**

PROGRAM

Organizers

Advanced Research for Cultural Heritage (ARCH) Group, National Research & Development Institute for Textile and Leather (INCDTP), ICPI Division, Bucharest
Training Centre for Conservators and Restorers – CePCoR , ASTRA National Museum Complex, Sibiu
Romanian Association"Science and Cultural Heritage in Connection" (i-CON)

Collaborator

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Andrea Bernath, ASTRA National Museum Complex, Sibiu



Organising Committee

Iulia Teodorescu, CePCoR , ASTRA National Museum Complex

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Acknowledgements

INherit Project – Partnership in priority areas Program, PNCDI II 325/2014

SUSPLART Project – Eureka / European and International Cooperation Program, PNCDI III 56/2017

KOLLART and ProART Experimental Demonstration Projects – PNCDI III 168/2017 and 162/2017

Projects supported by the Romanian Program for Research and innovation PN II and PN III through its Executive Agency for Higher Education, Research, Development and Innovation Funding (UEHSCDI).

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Seminar Programme

Wednesday, 13th September

CePCoR, Conference Hall - ASTRA Centre for Heritage

Open Air Museum, Astra National Museum Complex (ANMC)

8:30-9:30 Registration

9:30-10:30 Welcome and Introductions

- **Ciprian Ștefan Anghel**, General Manager of ANMC
- **Local Authorities and Invited Guests from the Academic and Cultural Institutions**
- **Octaviana Marinceaș**, The Romanian Ministry of Research and Innovation (MCI): ***Heritage and Cultural Identity - A National Priority Domain in the National Research, Development and Innovation Strategy 2014-2020***

10:30-10:45 **Coffee Break**

PLENARY SESSION 1 – Chairperson: Márta Guttmann

10:45-11:05 **Terje Grøntoft**, Norwegian Institute for Air Research (NILU)
Air quality and conservation

11:05-11:25 **Florica Zaharia and Midori Sato**, The Metropolitan Museum of Art, New York, USA and Textiles Museum, Băița, Hunedoara
Opposite Cultures: Organic Materials used in Romanian and Japanese Traditional Costumes

11:25-11:45 Laurent Cortella, Claudia Salvan, Christophe Albino, Khoi Tran Quoc, Karine Froment, ARC-Nucléart, CEA/LITEN, Grenoble
Gamma irradiation serving the archives: examples of disinfection of the National Archives in France

11:45-12:05 Radovan Tiňo, Katarína Vizárová, Filip Hajdu, Slovak University of Technology, Faculty of Chemical and Food Technology, Department of Wood, Pulp and Paper, Bratislava
Cleaning of natural materials with atmospheric low temperature plasma

12:05-12:25 Francesca Modugno, University of Pisa, Department of Chemistry and Industrial Chemistry, Pisa
Analytical methods for the chemical investigation of archaeological waterlogged wood

12:30-13:15 EXHIBITION : *The art of making a book*
Oscar Print Publishing House

13:15– 14:15 Lunch

PLENARY SESSION 2 – Chairperson: Florica Zaharia

14:15-14:35 Katarína Vizárová, Radovan Tiňo, Barbora Kaliňáková, Nikola Šipošová, Filip Hajdu, Zuzana Špacírová; Slovak University of Technology, Faculty of Chemical and Food Technology, Department of Wood, Pulp and Paper, Bratislava
Microbiological decontamination of paper with ADRE low-temperature plasma

14:35-14:55 Corneliu Ponta, Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Bucharest
Precautions and limits to be considered in irradiation disinfestation of cultural heritage artefacts

14:55-15:15 Karine Froment, Florence Lelong, Sophie Champda Voine,
ARC-Nucléart, CEA/LITEN, Grenoble

***The CEA-IFA contest: example of the restoration of the Brancovan
palace doors of Mogosoaia***

15:15-15:35 Octaviana Marincas, University of Bucharest

***Lightening systems for museums - part of an Integrated Management
Concept***

15:35 – 16:15 POSTER SESSION and Coffee Break

PLENARY SESSION 3 – Chairperson: Octaviana Marincas

16:15-16:35 Irina Petroviciu, Ileana Crețu†, National Museum of
Romanian History, Bucharest

Insect dyes in textiles from Romanian collections

16:35-16:55 Karine Froment, Henri Bernard-Maugiron, Laure Meunier-
Salinas, ARC-Nucléart, CEA/LITEN, Grenoble

***Restoration of large shipwrecks at Arc-Nucléart: a new life for Arles Rhône
3, Lyon Saint-Geroges 4***

16:55 – 17:15 Ioana Stănculescu, Horia Hulubei National Institute of Physics
and Nuclear Engineering (IFIN-HH), Măgurele, Ilfov

***Mobile Raman spectroscopy for cultural heritage materials
characterization***

17:15 – 17:30 POSTER AWARDS SESSION - Chairperson: Irina Petroviciu

**Award Jury: Francesca Modugno, Katarina Vizarova, Karine Froment,
Radovan Tiño, Terje Grøntoft, Irina Petroviciu**

17:30 PROJECT MEETINGS

- **Eureka SUSPLART Project – 1st Partner Meeting**
Sustainable low-temperature plasma technologies for cleaning historical & archaeological artefacts from natural polymers (EUREKA E! 9975, contract 56/2017)
- **IFA-CEA NUTECO Project – Partners Meeting**
Nuclear techniques for the conservation of wooden heritage objects (IFA-CEA contract no. C5-11/2016)
- **Partnership Program INherit Project – Final Meeting**
Intelligent strategy for movable cultural heritage monitoring in changing climate (PNCDI II 325/2014)



Left side: views from Sibiu. Right side: *Portrait of a Man with a Blue Chaperon* by Jan van Eyck (1390 – 1441) and *The Crucifixion* by Antonello da Messina (1430 – 1479), Brukenthal National Museum

Workshop Programme

Thursday, 14th September

9:00 - 11:00 Parallel sessions: Workshops 1 to 4

Workshop 1 *Air quality measurements for preventive conservation of cultural heritage. With MEMORI® application* (Room 1)

Tutor: Terje Grøntoft, The Norwegian Institute for Air Research (NILU)

Workshop 2 *Hands-on-data session: regression models using the R software* (Room 2)

Tutor: Daniela Ichim, The National Institute for Statistics (ISTAT), Rome

Workshop 3 *In situ assessment of library and archival materials. The Corpus of Bindings of White-Alum Leather, Parchment and Reused Parchment from the Romanian Academy Library Collections* (Room 3)

Tutors: Cristina Carsote, The National Museum of Romanian History and Carmen Albu, The Romanian Academy Library, Bucharest

Workshop 4 *Display solutions created in the house for textile cultural objects* (Room 4)

Tutor: Iulia Teodorescu, CePCoR, ASTRA National Museum Complex, Sibiu

11:00-11:30 Coffee Break

11:30-13:00

Workshop 5 *Intelligent strategy for movable cultural heritage monitoring in changing climate. The case of ASTRA Museum* (the workshop will take place at the main units in the Open Air Museum controlled by integrated systems of wireless sensors implemented during the project INherit)

Tutor: Cristian Andrei, S.C. Mira Telecom S.R.L., Bucharest

13:15 – 13:30 Seminar & Workshop closure

13:30-14:30 Lunch

14:30 – 16:00 Work visit at some of the units of the ASTRA Open Air Museum: households, installations, churches

Venues info

The seminar will take place at the Training Centre for Conservators and Restorers (CePCoR), ASTRA Centre for Heritage, Open Air Museum, ASTRA National Museum Complex, Sibiu.

<http://www.muzeulastra.ro/conservare-restaurare/cepcor-g/despre-cepcor.html>



Accommodation info

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