

Programme

August 22, 2016

08.09.2016 Thursday

8.00 –9.00 Registration

9.00 –9.30 Opening ceremony

- 9.30 10.50 **Session 1. Biodeterioration of historic buildings, monuments, frescos, wall paintings**
Chairperson: Christine Gaylarde
Museum Auschwitz-Birkenau/Gutarowska B. Biodeterioration of historic building objects in the former Auschwitz II-Birkenau concentration and extermination camp and chemical methods of protection
9.30-9.50 **Warscheid T.**Biotechnological application of sulfate-reducing bacteria on gypsum crusts on the original stone structure of “Madara Horseman”
9.50-10.10 **Kaplan Ç.D.** Deterioration of excavated andesite artifacts in archaeological sites
10.10-10.30 **Ge Q.** Studies on Microbial Damage to Murals in Koguryo Wukui Tomb No.5
10.30-10.50

10.50-11.40 Poster session and coffee break (all sessions)

- 11.40-13.00 **Session 2. Biodeterioration of archival documents, paper, photos**
Chairperson: Flavia Pinzari
11.40-12.00 **Pinzari F.** Microscale mechanisms at play in the biodeterioration of paper and parchment
12.00-12.20 **Pangallo D.** Photographs and films: diagnosis of microbial alterations
12.20-12.40 **Micheluz A.** Ecology and life strategies of the fungus *Eurotium halophilicum* when spreading in archives, libraries and repositories
12.40-13.00 **Pietrzak K.** Biodeterioration assessment and the disinfection of historic book collections – a modern approach

- 13.00 **Session 3. Biodeterioration of historical textiles**
-14.00 **Chairperson: Beata Gutarowska**
13.00-13.20 **Laudy A.** Microbial biodeterioration of the silk Genova Velvets in the Wilanow Palace Museum in Warsaw (Poland)
Stachurska M. Application of high-throughput sequencing methods for microbial biodiversity analyses in research on archaeological textiles – probable cause of death of the people buried in the west crypt of St. Anne chapel in the Castle of the Teutonic Order in Malbork.
13.20-13.40 **Rădulescu H.C.** Molecular and classical analyses for fungal identification from textile heritage objects
13.40-14.00

14.00-15.00 Lunch

- 15.00 – **Session 4. Biodeterioration of historical wood**
16.00 **Chairperson: Geoffrey Daniel**
15.00-15.20 **Daniel G.** Investigations on the decay and strength of barrier forming softwood poles in-service in Gothenburg, Sweden
15.20-15.40 **Manente S.** The ancient Library of the Patriarchal Seminary of Venice (Italy):Microbiological characterization of biodeterioration in place
15.40-16.00 **Røskar T.** High tides and low buildings

16.00 – **International Biodeterioration and Biodegradation Society AGM**
17.00

19.00 Conference dinner

09.09.2016 Friday

9.00 – Session 5. Biodeterioration of historic objects stored under water

11.00 Chairperson: Brenda Little

10.00 – Little B. Mechanisms for iron-rich accretions on World War II shipwrecks in the Gulf of Mexico

10.20 Komorowicz M. The influence of underwater exposure for 5 years in the Baltic Sea of English oak wood samples on its selected properties

10.40 Beech I. Metabolomic and genomic imaging as future tools for investigating the effect of the microbiome on deterioration of historic materials in marine habitats

11.00 – Session 6. Methods of investigation

12.00 Chairperson: Katja Sterflinger

11.00-11.20 Piñar G. State of the art methods to investigate diversity and function in cultural assets

11.20-11.40 Adamiak J. Methods of studying halophilic microbial diversity Investigating halophilic microbial diversity: comparison of methods

11.40-12.00 Milczarek J. The application of Py-GC/MS to study historic objects and works of art

12.00 – Poster session and coffee break (all sessions)

12.30

12.30 – Session 7. Protection, disinfection, conservation methods

14.30 Chairperson: Thomas Warscheid

12.30-12.50 Greenhalgh M. A brief update on European Union regulations associated with the use of biocidal products

12.50-13.10 Chung Y.J. Removal technology for biofilms that form on outdoor stone monuments

13.10-13.30 de los Ríos A. Biocide and laser treatments to slow down biodeterioration processes in stone

13.30-13.50 Skóra J. Low temperature plasma for textile disinfection

13.50-14.10 Matusiak K. Essential oils as an alternative method in textile disinfection

14.10-14.30 Karbowska-Berent J. Disinfection of paper-based historic items – different solutions for an old problem

14.30– Lunch

15.30 – Closing ceremony

16.00

16.30 Sightseeing of Lodz

After conference (<http://www.biodeterioration2016.p.lodz.pl/>)

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