

Programme for 2nd EWCHP-2012

24th September 2012

- 08:30 **REGISTRATION**
*Conference venue "Kunnskapsbyens Konferansesenter AS" (Kunnskapsbyens Hus),
Address: Gunnar Randers vei 24, Kjeller.
Coffee /Tea*
- 09:30 **WELCOME – OPENING**
*E. Dahlin, Chair of the 2nd European Workshop on Cultural Heritage Preservation
K. Nygaard, Director of NILU-Norwegian Institute for Air Research*
- 09:40 **Key note: WORLD HERITAGE – WORLD VALUES**
C. Paludan-Müller, Director of the Norwegian Institute for Cultural Heritage Research

Session 1: Monitoring methods and technologies for assessment of movable heritage objects and historic structures

Session Chair: Markus Küger

- 10:00 COLOR CHANGE MONITORING TO EVALUATE POLLUTION IMPACT ON ARCHITECTURAL SURFACES
F. Becherini, A. Bonazza, A. Bernardi, I. Ozga, L. Pockelè, S. De Grandi
- 10:20 NON-DESTRUCTIVE AND MINIMAL INVASIVE TEST METHODS FOR THE EVALUATION AND ASSESSMENT OF MOVABLE ORGANIC-BASED HERITAGE MATERIALS
M. Odlyha, L. Bozec, S. Hackney, M. P. Colombini, I. Bonaduce, F. Di Girolamo, R. Larsen, K. Mühlen Axelsson, D.V.P. Sommer, M. Scharff, T. Grøntoft, E. Dahlin, D. Chelazzi, P. Baglioni
- 10:40 BREAK – POSTER PRESENTATIONS (Author Presence)**
- 11:00 HOW CAN SIGN OF BIODETERIORATION SAVE CULTURAL HERITAGE?
J. Mattsson, A-C. Flyen
- 11:20 SEASONAL MONITORING OF SALT MOVEMENT IN MASONRY MATERIALS
J. Frick, C. Colla, E. Gabrielli, F. Grüner
- 11:40 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 1

Session 2: Tools and strategy for enhanced management, conservation, preservation and maintenance of cultural heritage structures

Session Chair: Alessandra Bonazza

- 12:00 NANOMATERIALS FROM METAL-ALKOXIDES PRECURSORS FOR CONSERVATION OF BUILDING MATERIALS: THE EU PROJECT NANOMATCH
M. Favaro, A. Bernardi, F. Becherini, A. Bonazza, M. Chiurato, F. Ossola, P. Tomasin

12:20 INNOVATIVE TEST PROCEDURE ON INJECTION PRODUCTS AGAINST RISING DAMP FOR HISTORIC MASONRY CONSTRUCTIONS
S. Herinckx, M. de Bouw, A. Pien, Y. Vanhellemont

12:40 A KNOWLEDGE-BASED SYSTEM OF DEFECTS IN IMMOVABLE CULTURAL HERITAGE OBJECTS AND MONUMENTS
J. Valach, R. Cacciotti, P. Kuneš, M. Čerňanský

13:00 LUNCH

14:00 PANNA PROJECT: DEVELOPMENT OF A PORTABLE PLASMA TORCH FOR CLEANING MULTI SURFACES AND COATING DEPOSITION
C. Aibéo, E. Egel, S. Simon, A. Patelli, M. Favaro, F. De Voeght, P. Storme, Z. Kamenarov, R. Notthoff, V. Kamenova, P. Scopece

14:20 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 2.

14:40 BREAK- POSTER PRESENTATION

Session 3: Energy efficiency in cultural heritage buildings

Session Chair: Johanna Leissner

15:00 A TOOL FOR MULTIDISCIPLINARY DEVELOPMENT OF ENERGY EFFICIENCY SOLUTIONS FOR HISTORIC BUILDINGS: THE RAUMBUCH CONCEPT EXTENDED TO ENERGY ASPECTS
D. Exner, F. Haas, A. Troj, C. Franzen

15:20 ON-SITE DYNAMIC WIRELESS SENSOR MONITORING IN THE HISTORIC BUILDING OF PALAZZINA DELLA VIOLA, BOLOGNA, ITALY
G. Paci, E. Gabrielli, C. Colla

15:40 BUILDING PHYSICS PROBLEMS IN EARLY MODERNISM AND HOW TO SOLVE – A SCHOOL BUILT BY BAUMANN/PRACHENZKY AS CASE STUDY (CS5) IN 3ENCULT
M.B. Janetti, R. Pfluger, K. Länge, F. Ochas, F. Nesi, W. Feist

16:00 HEATING REGIMES IN SWEDISH CHURCHES BETWEEN 1880 AND 2000
M. Legner, M. Geijer

16:20 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 3.

16:40 END OF THE DAY

1830-1930 Visit to the conservation studio and laboratory at NIKU- Norwegian Institute for Cultural Heritage Research, Storgata 2, Oslo

2000-2300 Workshop Dinner (for those who has registered) at Engebret Café, Bankplassen 1, Oslo

25th September 2012

09:00 **Key note: EUROPEAN CULTURAL HERITAGE RESEARCH AT STAKE FOR THE HORIZON 2020?**

J. Leissner, Fraunhofer Gesellschaft

Session 4: Determination and assessment of impact of climate change on cultural heritage

Session Chair: Terje Grøntoft

09:20 THE EU PROJECT; CLIMATE FOR CULTURE

J. Leissner

09:40 APPLICABILITY OF REGIONAL MODEL CLIMATE DATA FOR HYGROTHERMAL BUILDING SIMULATION AND CLIMATE CHANGE IMPACT ON THE INDOOR ENVIRONMENT OF A GENERIC CHURCH IN EUROPE

D. Erhardt, F. Antretter

10:00 ENERGY EFFICIENCY IN CULTURAL HERITAGE BUILDINGS AS A RESULT OF EU PROJECTS "CLIMATE FOR CULTURE AND SMOOHS" AND EARLY WARNING SYSTEM FOR ROOM CLIMATE MEASURING

J. Käferhaus

10:20 **BREAK - POSTER PRESENTATIONS** (Author Presence)

10:40 A NOVEL LABORATORY TEST PROCEDURE TO INVESTIGATE THE EFFECT OF FLOODING ON HISTORIC STRUCTURES

V. Stephenson, D.D. Ayala

11:00 CLIMATE CONTROL STRATEGIES FOR OCCASIONALLY USED CHURCHES. HEAT, DEHUMIDIFY, VENTILATE – OR DO NOTHING

P. Klenz Larsen, T. Broström

11:20 THE IMPACT OF CLIMATE CHANGE ON HISTORIC INTERIORS AND DISPLAY ENCLOSURES

P. Lankester, D. Thickett, P. Brimblecombe

11:40 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 4

12:00 **LUNCH**

Session 5: Assessment of the impact of indoor environment on movable cultural heritage

Session Chair: Susana López-Aparicio

13:00 PREVENTING POLLUTION IN MUSEUMS

S. Hackney

13:20 THE MEMORI DOSIMETER – A USER FRIENDLY TOOL FOR EVALUATION OF INDOOR AIR QUALITY FOR CULTURAL HERITAGE

T. Grøntoft, K. Wittstadt, P. Bellendorf, E. Dahlin, S. Håland, C. Bernardo, R. Ødegård,

H. Vika Røen, T. Heltne

13:40 THE ROLE OF INDOOR ENVIRONMENTAL POLLUTANTS IN THE DEGRADATION OF NATURAL RESIN
I. Bonaduce, M. P. Colombini, F. Di Girolamo, T. Grøntoft, S. Lopez-Aparicio, M. Odlyha, M. Sharff

14:00 HYDROLYSIS AND SURFACE MODIFICATION OF PAPER DURING AGING
A. Potthast, M. Kostic, M.-Joon Jeong, M. Becker, T. Zweckmair, K. Ahn, S. Böhmendorfer, T. Rosenau

14:20 BREAK- POSTER PRESENTATION

14:40 THE APPLICATION OF ADSORBENT MEDIA FOR SUSTAINABLE MITIGATION OF ORGANIC POLLUTANTS
A. Schieweck

15:00 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 5

Session 6: Case studies on preservation and conservation methods and techniques applied to historic buildings

Session Chair: David Thickett

15:20 INVESTIGATION TECHNIQUE, CONSERVATION AND RESTORATION OF A PAINTING ON A METAL PLATE OF QAJAR PERIOD IN IRAN
S. Basiri, H. Aslani, G. Vatankhah, H. Bakhshandefard

15:40 MODEL CONSERVATION OF THE ST. SALVATOR ROCK CHAPELS IN SCHWÄBISCH GMÜND, S-GERMANY
J. Zöldföldi, J. Frick, F. Grüner

16:00 PANEL DISCUSSION ON TOPICS PRESENTED IN SESSION 6.

16:20 CLOSING REMARKS
E. Dahlin

16:30 END OF THE DAY