October 15 - 18, 2014

ASTRA Centre for Heritage - CePCoR, ASTRA National Museum Complex, Sibiu, Romania

Programme

Wednesday, October 15th, 2014

16.00 – 18.00 ROUND TABLE: Moderators Concepció Casas and Elena Badea
NANOMATERIALS AND NANOTECHNOLOGIES FOR CULTURAL HERITAGE.
HORIZON 2020 PERSPECTIVES

15.00 – 17.00 **REGISTRATION**

Thursday, October 16th, 2014

Conference Hall, CePCoR

Conference H	all, CePCoR
09.00	REGISTRATION
09.30	OPENING AND ADDRESSES Chair Andrea Bernath
10.00	BILATERAL COOPERATION PROGRAMS
	Mircea Segărceanu
SESSION 1	Chair Alessandro Vitale Brovarone
10.15	INFLUENCE OF ETHYLENE OXIDE FUMIGATION AGAINST MOULD IN PARCHMENT AND LEATHER OF HISTORICAL BOOKS AND CHARTRES
	Patricia Engel
10.30	ANALYSIS OF ORGANIC MATERIALS IN HERITAGE OBJECTS
	Marta Guttmann
10.45	SIMULATION OF THE DEGRADATION PHENOMENA IN LEATHER AGEING
	Anna Bacardit, Concepció Casas, Carmen Gaidau, Lucretia Miu, Luis Ollé
11.00	Coffee break
SESSION 2	CHAIR Patricia Engel
11.20	CONVENTIONAL METHODS AND MODERN APPROACHES IN CURATIVE CONSERVATION OF TEXTILES
	Carmen Marian
11.35	EXAMINATION OF HISTORIC PARCHMENT MANUSCRIPTS BY NON-INVASIVE REFLECTION-FTIR: POSSIBILITIES AND LIMITATIONS
	Wilfried Vetter, Bernadette Frühmann, Gunn Pöllnitz, Manfred Schreiner
11.50	EFFECTS OF AEROSOL PARTICLES ON COLLAGEN MATERIALS
	Magda Souckova, Ludmila Maskova, Jiri Smolik

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12.05	AGILENT TECHNOLOGIES PRESENTATION
12.03	Alin Mogoş
12.20	Visit to the new facilities of CePCoR
13.30	Lunch break
SESSION 3 C	hair CARMEN MARIAN
14.30	LEATHER AND PARCHMENT ANALYSIS BY UV-VIS-NIR REFLECTANCE SPECTROSCOPY: FIRST RESULTS
	Laurianne Robinet, Chantal Garnier, Lucreția Miu, Elena Badea
14.45	POSSIBLE METHODOLOGIES FOR IDENTIFING THE PROVENIENCE OF LITURGICAL EMBROIDERIES WORKED IN THE BYZANTINE TECHNIQUE
	Ileana Crețu, Mihai Lupu, Irina Petroviciu, Zizi Ileana Balta
15.00	DIFFERENTIAL SCANNING CALORIMETRY. A VALUABLE TECHNIQUE FOR CHARACTERISING VEGETABLE TANNED LEATHER
	Cristina Carsote, Elena Badea, Lucreția Miu, Giuseppe Della Gatta, Petru Budrugeac
15.10	THERMAL CHARACTERIZATION OF NEW, ARTIFICIALLY AND NATURALLY AGED LEATHER AND PARCHMENT SAMPLES
	Zoltán Sebestyén, Zsuzsanna Czégény, Claudiu Şendrea, Cristina Carsote, Eszter Barta-Rajnai, Lucreția Miu, Elena Badea, Emma Jakab
15.20	PRELIMINARY STUDIES ON GAMMA RADIATION INFLUENCE ON THE PHYSICAL-MECHANICAL CHARACTERISTICS OF TEXTILE
	Ana-Maria Mocioiu
15.30	POSTER PRESENTATION
	Chairs Irina Petroviciu and Wilfried Vetter
P1	ILLUMINATED MANUSCRIPTS ON PARCHMENT: AN ANALYTICAL STUDY ON THE MATERIALS FROM TEXTS AND DECORATIONS
	Cristina Marta Ursescu, Sorin Ciovica
P2	A UNIQUELY EMBROIDERED TRADITIONAL ROMANIAN BLOUSE: DEGRADATION AND CONSERVATION ISSUES
	Ioana Cova
P3	REVIVING ANCIENT CRAFTS WITH NEW TECHNOLOGIES AND IDEAS. EVALUATION OF FURSKINS BIODEGRADABILITY AS AN ECOLOGICAL TOOL FOR NATURAL PRODUCTS VALORIZATION
	Carmen Gaidau, Mihaela Niculescu, Andreea Georgiana Vesa, Stefana Jurcoane, Petruta Cornea, Florentina Israel-Roming
P4	"PROCOVĂŢ" FROM THE 13 TH CENTURY, FROM THE COTROCENI MONASTERY
	Aurora Florentina Ilie

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P5	RESTORATION OF A FLAG BELONGING TO THE TOWN HALL OF RÂŞNOV, BRAŞOV	
	Vasilica Izdrailă, Cornelia Kertesz	
P6	THE ISSUE OF CONSERVING THE MEDALLIONS OF HISTORICAL FLAGS	
	M-Kiss Hedy	
P7	X-RAY FLUORESCENCE (XRF) - COMPOSITIONAL ANALYSIS METHOD APPLIED FOR TEXTILE AND LEATHER OBJECTS AT ASTRA NATIONAL MUSEUM COMPLEX, SIBIU	
	Daniela Adela Lăzureanu	
P8	ASSESSMENT AND INVESTIGATION TEHNIQUES FOR BUILT HERITAGE CONSERVATION	
	Claudiu-Lucian Matei	
P9	BIODEGRADATION OF OLD BOOK COVERS FROM CHURCH COLLECTIONS	
	Mina Adriana Moșneagu, Elena Ardelean, Oana Mirela Chachula	
P10	THE RESTORATION OF A WIDE LEATHER BELT FROM THE COLLECTION OF ASTRA MUSEUM, SIBIU	
	Florența Moga	
P11	"DIFFERENT" RESTORATION OF A 18 th CENTURY LEATHER BOOKBINDING	
	Cristina Petcu, Lucreția Miu	
P12	SYNERGETIC EFFECT OF TEMPERATURE, RELATIVE HUMIDITY AND LIGHT IRRADIATION ON VEGETABLE TANNED LEATHER BY NMR MOUSE AND MHT METHOD	
	Claudiu Sendrea, Elena Badea, Lucretia Miu, Madalina Fleancu Ignat	
16.15	Coffee break	
17.00	KICK-OFF MEETING of the PNII 325/2014 Project INTELLIGENT STRATEGY FOR MOVABLE CULTURAL HERITAGE MONITORING IN CHANGING CLIMATE (INHerit)	
Friday, October 17 th , 2014		
SESSION 4	Chair Laurianne Robinet	
09.30	WHAT DO HUMANISTIC STUDIES EXPECT FROM SCIENTIFIC ANALYSIS, AND WHAT CAN THEY OFFER IN EXCHANGE.	
	Alessandro Vitale Brovarone	
09.45	BIOLOGICAL DECAY OF CULTURAL HERITAGE MADE OF ORGANIC MATERIALS Livia Bucsa	

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10.00	NON-DESTRUCTIVE INVESTIGATION OF 11-12TH C. PARCHMENT DOCUMENTS PRESERVED IN THE STATE ARCHIVES OF TURIN	
	Irina Petroviciu, Cristina Carșote, Elena Badea, Petru Budrugeac, Alessandro Vitale Brovarone	
10.10	MULTISPECTRAL IMAGING AND IDENTIFICATION OF WRITERS OF HISTORICAL DOCUMENTS	
	Fabian Hollaus and Robert Sablatnig	
10.20	Coffee break	
SESSION 5	Chair Ileana Creţu	
10.50	MICROSCOPIC AND MOLECULAR NOVEL DISCOVERIES ON PARCHMENT BIODETERIORATION	
	Flavia Pinzari, Katja Sterflinger, Guadalupe Piñar	
11.05	PARCHMENT: DAMAGE ASSESSMENT AND EVALUATION OF CONSERVATION TREATMENT AT THE COLLAGEN FIBRIL LEVEL USING ATOMIC FORCE MICROSCOPY AND AT THE MACRO LEVEL USING MECHANICAL TESTING	
	Marianne Odlyha, Laurent Bozec, Angelica Bartoletti, L.N.Melita, René Larsen, Kathleen Mühlen Axelsson, Elin Dahlin, Terje Grøntoft, Piero Baglioni, Roderico Giorgi, David Chelazzi,	
11.20	DECONTAMINATION OF TEXTILE, LEATHER AND PARCHMENT ARTEFACTS BY GAMMA IRRADIATION	
	Ioana Stanculescu, Valentin Moise, Laurent Cortella, Quoc-Khôi Tran	
11.30	EVALUATION OF SOME CONSERVATION TREATMENTS FOR PARCHMENT ARTEFACTS	
	Andrei Cucoș, Elena Badea, Lucreția Miu, Cristina Carșote, Irina Petroviciu, Petru Budrugeac	
11.40	Coffee break	
WORKSHOP Chairs Elena Badea and Silviu Ciobanu		
12.00	MEMORI DOSIMETER	
	Terje Grøntoft	
12.30	ImageMHT: A NEW AUTOMATED, PORTABLE INSTRUMENT FOR <i>IN SITU</i> DAMAGE DIAGNOSIS OF COLLAGEN-BASED MATERIALS	
	MHT METHOD	
	Cristina Carșote and Lucreția Miu	
12.45	USE OF A BACKGROUND ESTIMATION ALGORITHM FOR THE AUTOMATIC DAMAGE ASSESSMENT OF COLLAGEN BASED HISTORICAL OBJECTS	
	Andreea Oana Miu, Elena Badea, Cristina Carșote, Silviu Ciobanu	

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13.00	NEW HOTPLATE PROTOTYPE FOR AUTOMATIC MEASUREMENT OF SHRINKAGE ACTIVITY
	Ionuţ-Vlad Bornoiu, Valentin Velican, Ovidiu Grigore
13.10	CLOSING CEREMONY
13.20	Lunch break
14.00	Guided visit of Astra Museum Complex
16.00	Joint meeting – Bilateral Cooperation projects
17.00	Annual Assembly of the Romanian Association Science and Cultural Heritage in Connection (i-CON)
20.00	Social Dinner
	Saturday, October 18 th , 2014
10.30	Guided visit to the Brukenthal National Museum
	http://www.brukenthalmuseum.ro/