

Tuesday 24 June 2014			
	Tierra-Mar Hall	Aire Hall	
09:00-09:30	Opening sesión		09:00-09:30
09:30-10:30	Plenary lecture. D. Camuffo. Climate change, sea level and impact on monuments in Venice		09:30-10:30
10:30-11:15	Invited lecture. Topic 1. Environmental assessment and monitoring (pollution, climate change, natural events, etc.) of Cultural Heritage. R. van Grieken: Air pollution and preventive conservation in European museum	Invited Lecture. Topic 2. New products and materials for conservation and maintenance of Cultural Heritage. M.J. Mosquera. New nanomaterials for conservation of Cultural Heritage: consolidants, hydrophobic and self-cleaning	10:30-11:15
11:15-11:45	COFFEE BREAK		11:15-11:45
11:45-12:05	M. Sileo, M. Biscione, F.T. Gizzi, N. Masini, M.I. Martínez Garrido. Low cost strategies for environmental monitoring of cultural heritage: the crypt of St. Francesco d'Assisi, Irsina (Southern Italy)	A.M. Barberena Fernández, P.M. Carmona Quiroga, M. San Andrés Moya, M.T. Blanco Varela. Nanosilica and nanolime on the conservation of mortars and concretes of our heritage	11:45-12:05
12:10-12:30	M. Gómez-Heras, M.I. Martínez-Garrido, R. Fort, M.J. Varas-Muriel. Monitoring moisture distribution on Stone and masonry walls. Effect of heating systems and microclimatic conditions for historic buildings	F. Elhaddad, M.J. Mosquera. Effectiveness of a novel consolidant/hydrophobic nanomaterial on stones from three archaeological sites	12:10-12:30
12:35-12:55	C. Cabello-Briones. The case study of the Bishop's Palace archaeological site in Witney (Oxfordshire, England)	A. Sierra-Fernández, L.S. Gomez-Villalba, M.E. Rabanal, R. Fort. New inorganic nanomaterial for the consolidation and protection of dolostone heritage	12:35-12:55
13:00-13:20	C. Cardell, I. Guerra, A. Herrera Rubia, L. Rodríguez Simón, A. Yebra-Rodríguez, N. Navas Iglesias. Preliminary results on the characterization of Paint dosimeters exposed to the urban atmosphere of Granada city	M. Clemente, J. Jimenez, E. Marin, N. Ferrer, C. Sistach, J.F. Garcia, G. Poggi, R. Giorgi, P. Baglioni. Acidity and alkaline reserve in degraded manuscripts. Deacidification and lamination processes	13:00-13:20
13:25-13:45	J. Peña-Poza, F. Agua, J.F. conde, P. de San Pío, S. García Ramírez, J.M. Álvarez Farfán, J.M. Moreno Martín, M. González Rodrigo, M. García-Heras, M.A. Villegas. Air quality assessment and protection treatments impact on the collection of the Museo Naval (Madrid, Spain)	M.A. Iglesias-Campos, C. Ruiz-Recasens, E. Díaz-González. Powdered Cellulose Project: cellulosic fibres for dry cleaning and reinforcement of paper supports	13:25-13:45
13:45-15:00	LUNCH		13:45-15:00
15:00-15:20	T. Fernández-Montblanc, M. Bethencourt, A. Izquierdo. Establishing the relationship between underwater cultural heritage and marine environmental factors: A comparative analysis of Bucentaure and Fougueux sites	M.J. Mosquera, J.F. Illescas. Increasing surface roughness of coating to promote high-hydrophobicity	15:00-15:20
15:25-15:45	M. Bethencourt, L.C. Zambrano, M.L.A. Gil. Physical characterization of superfragile materials from archaeological underwater sites	M. Delgado del Valle, J. Espinosa Gaitán, C. Cardell Fernández. Diagnosis and water repellent assessment in the Fuente Nueva in Martos (Jaen, Spain)	15:25-15:45
15:50-16:10	M.A. Gómez-Morón, F. Martín Cobos, P. Ortiz. Accelerated weathering test as environmental behaviour trials on metals	M.L. Martínez Bazán, T. Mastroiacovo, G. Medda, X. Mas-Barberà, S. Kröner. Chromatic properties study of mortars with organic binder used in the reproduction of artworks exposed outdoor	15:50-16:10
16:15-16:35	M.A. Gómez-Morón, A. Tirado Hernández, P. Ortiz. Painting woods vulnerability to ultraviolet exposure	M. Lazzari, T. López Moran. Epoxy resins: from industrial material to contemporary art medium	16:15-16:35
16:40-17:00	T. Fernández-Montblanc, M. Bethencourt, A. Izquierdo. Underwater cultural heritage risk assessment related to mean and extreme storm events: A modelling case study in the Bay of Cadiz	A. Branco, C. Salvador, A. Fialho, M.F. Candeias, A. Karmali, A. Candeias, A.T. Caldeira. Characterization and purification of protein binders used in easel paintings	16:40-17:00
17:00-17:30	COFFEE BREAK		17:00-17:30
17:30-17:50	B. Cámara, M. Álvarez de Buergo, R. Fort, C. Ascaso, M. Gomez-Heras, A. de los Ríos. Another source of soluble salts in urban environments due to the recent social behaviour pattern in historical centres	S. Sasso, A.Z. Miller, M.A. Rogerio-Candelera, L. Laiz, L. Scranò, S.A. Bufo, C. Saiz-Jimenez. Tertiary bioreceptivity of Hontoria limestone treated by secondary metabolites	17:30-17:50
17:55-18:15	R. Undurraga, J.F. Conde, F. Agua, G. Barluenga, M.A. Villegas, M. García-Heras. Historical and experimental integrated study on brick masonry identification: comparison of two heritage buildings in the city of Alcalá de Henares (Madrid, Spain)	J.M. Rincón. Archaeometric study about porcelains of the National Spanish Museum of Archaeology	17:55-18:15
18:20-18:40	S. González-García, A. López-Montes, T. Espejo-Arias. The use of writing inks in 12th–19th century arabic manuscripts: a study of the Collection of the School of the Arabic Studies, Granada (Spain)	A. Sánchez Vizcaíno, D. Jesús Parras Guijarro, J. A. Tuñón López, M. Montejo Gámez, N. Ramos Martos, J. F. García Reyes, F. Márquez López. Physical-chemical analysis for the research and the valorisation of the oppidum of Puente Tablas (Jaén, Spain)	18:20-18:40
18:45-19:05	N. Sancho, R. Sinha, L. K. Skipper. Characterising pigments belonging to the English artist John Opie. Initial results obtained by Fourier Transform Infra Red Spectroscopy and Microscopy	F.J. García Fernández, P.J. Sánchez Soto, A. Ruiz Conde, V. Moreno Megías, E. Ferrer Albelda, J.J. Martín del Río. Punic and Turdetan amphorae in the Guadalquivir Valley (5th-1st centuries B.C.): Technological and compositional characterization	18:45-19:05

Wednesday 25 June 2014			
	Tierra-Mar Hall	Aire Hall	
09:30-10:15	Invited Lecture. Topic 4. Development of new instruments, non invasive technologies and innovative solutions for analysis, protection and conservation of Cultural Heritage. Marcello Picollo and Kaori Fukunaga. Application of THz-TDS imaging technology to the investigation of panel paintings	Invited Lecture. Topic 3. Agents and mechanisms of deterioration of Cultural Heritage (physical, chemical, biological). Katja Sterflinger. Microbes, science, art and conservation, who wins the game?	09:30-10:15
10:15-10:35	E. Casanova-Gonzalez, J.L. Rubalcava-Sil, N.A. Pérez-Castellanos, M.A. García-Bucio. Helium-coupled Raman for the analysis of cultural heritage	L. Bruno, L. Quici, F. Valentini, I. Ficarella, S.P. Adhikary. Characterization of phototrophic biofilms from Indian monuments and development of a non-invasive remediation strategy	10:15-10:35
10:40-11:00	A. Kriznar, V. Muñoz, M.A. Respaldiza, M. Vega. Panel painting by Cristobal de Morales analysed by non-destructive XRF technique	J. Aramendia, L. Gomez-Nubla, L. Bellot-Gurlet, K. Castro, J. M. Madariaga. Biological oxalate formation in weathering steel sculptures	10:40-11:00
11:05-11:25	E. Marin, E.Boix, A. Padro, J.F. Garcia. LA-ICP/MS versus SEM and FTIR on the study of a XVI century panel painting. The case of <i>La Verge amb el Nen i un Àngel</i>	M. Oujja, M. Sanz, M. Speranza, A. de los Ríos, S. Pérez-Ortega, M. Álvarez de Buergo, R. Fort, C. Ascaso, J. Wierzchos, M. Castillejo. Infrared Nd:YAG laser irradiation effects on biological colonization of heritage stones	11:05-11:25
11:45-12:00	COFFEE BREAK		11:45-12:00
12:00-12:20	Y. Espinosa-Morales, J. Reyes-Trujeque, D. Arano-Recio, R. Dominguez-Carrasco, J. L. Ruvalcaba-Sil, P. Quintana-Owen, E. Casanova-González. The Mayan stucco masks from Edzná: Material characterization and analysis of the environmental influence on its deterioration	N. Keshari, L. Bruno, S.P. Adhikary. Adaptive strategies of cyanobacteria responsible for disfiguration of monuments at the cultural heritage sites in Santiniketan, India	12:00-12:20
12:25-12:45	Enrique Parra, S. Marras, M.A. García. Detection of starch and organic dyestuffs as painting materials in a series of XVIII century paintings using a HPLC-DAD-QTOF system	T. Rosado, M. Gil, J. Mirão, A. Candeias, A.T. Caldeira. Role of microorganisms in mural paintings decay	12:25-12:45
12:50-13:10	R. Maltieira, A. Calvo, J. Cunha, Univ. Católica Portuguesa, Portugal: The Late Middle Age Altar Cloth of the Virgin of the Rosary: a study on its materials and techniques	M. Silva, S. Silva, D. Teixeira, A. Candeias, A.T. Caldeira. Production of novel biocides for cultural heritage from <i>Bacillus</i> sp.	12:50-13:10
13:15-13:35	T. Palomar, B. Ramírez Barat, S. Díaz, E. García, D. Lafuente, E. Cano. Impact assessment of different cleaning methods for tarnished silver artefacts	Y. del Rosal Padial, C. Liñan Baena, M., Hernández Mariné, M. Roldán Molina. Phototrophic microorganisms in the touristic cave of Nerja	13:15-13:35
13:40-14:00	C. Salvador, A. Branco, A. Fialho, M. Semedo, S. Martins, M.F. Candeias, A. Candeias, A.T. Caldeira, A. Karmali. Detection of proteic binders in easel paintings using monoclonal antibodies	C. Coelho, C. Relvas, S. Costa, A.T. Caldeira, T. Ferreira. Analytical and microbiological characterization of 20th century photographic negatives	13:40-14:00
14:00-15:30	LUNCH		14:00-15:30
15:30-15:50	E. M. Montesinos Ferrandis, S. Vicente Palomino, L. Fuster López, D. J. Yusá Marco. Study of the influence of black dyes in the mechanical behaviour of aged silk fabrics	M. Santos, M. Nunes, C. Relvas, F. Figueira, J. Campelo, A. Candeias, A.T. Caldeira, T. Ferreira. Characterization of old paper samples exhibiting foxing	15:30-15:50
15:55-16:15	J. Sanjurjo Sánchez, J.L. Montero Fenollós. Luminescence tools and protocols (TL and OSL) used to estimate the firing temperature of ancient pottery	M. Sameño Puerto, L. Martín García. Analysis of materials and biodeterioration study on different supports that compose the sculpture made in cornucane: <i>Crucificado del Capítulo de Bornos</i> (Cádiz)	15:55-16:15
16:20-16:40	P. Ortiz, R. Ortiz, M.A. Vazquez, J.M. Martín, F. Colao, R. Fantoni. Laser induced fluorescence applied to diagnosis in calcareous stones	R. Vieira, P. Nunes, S. Martins, T. Rosado, M. González, A. Pereira, A.T. Caldeira. Application of fluorescence in situ hybridization (FISH) for microbiological detection in mortars	16:20-16:40
16:45-17:05	R. Ortiz, M.A. Vazquez, P. Ortiz, J.M. Martín. Weathering maps assisted by Digital Image Analysis and Autocad	M. Lima, J. Sanjurjo-Sánchez, C. Alves. Natural gamma radioactivity in granites with different weathering degrees: a case study applied to historical buildings (NW Portugal)	16:45-17:05
17:05-17:30	COFFEE BREAK		17:05-17:30
17:30-17:50	G. Durán-Domínguez, A.M. Felicísimo-Pérez, M.E. Polo-García. 3D study of cultural heritage for conservation. Reliability of the portable 3D laser scanners	J. Espinosa Gaitán, A. Lao Peregrín, C. Rodríguez-Navarro. Swelling clays in stone materials of the built heritage of Córdoba (Spain)	17:30-17:50
17:55-18:15	G. Durán-Domínguez, A.M. Felicísimo-Pérez, P.J. Sánchez-Soto. The representation of cultural heritage for conservation: Standard photographic processes applied to museographic spaces and methodologies for digital characterization	S. Gutiérrez-Patricio, V. Jurado, L. Laiz, C. Saiz-Jimenez. Two new species of bacteria isolated from White colonizations in Andalusian caves	17:55-18:15
18:20-18:40	D. Campillo-García, L. Fernández Lidia; M.A. Fortes, S. González-García, L. Rodríguez Miguel, T. Espejo Arias. Application of mathematical algorithms to the detection and characterization of decorative drawings from the covers of historical bindings	D.S. Facio, L.A. Martínez-Carrascosa, M.J. Mosquera. Simple and innovative synthesis for producing superhydrophobic nanocomposite coatings in situ on different building substrates	18:20-18:40
18:45-19:05	F.T. Gizzi, D. Liberatore, N. Masini, M. Sileo, C. Zotta, M.R. Potenza, M. Scavone, L. Sorrentino. Building features and safeguard of church towers in Basilicata (Southern Italy)		18:45-19:05
21:00-24:00	SOCIAL DINNER		21:00-24:00

Thursday 26 June 2014			
	Tierra-Mar Hall	Aire Hall	
09:30-10:15	Invited Lecture. Topic 5. Security technologies, remote sensing and G.I.S. for the protection and management of Cultural Heritage. Nicola Masini. Remote Sensing for the study, protection and conservation of cultural heritage. The experience of ITACA Mission in Peru (2007-2013)	Invited Lecture. Topic 6. Significance, social value and policies for the conservation of Cultural Heritage B. Ramírez Barat, T. Palomar, E. Cano, M. del Egido. Observatory of Cultural Heritage Conservation Research	09:30-10:15
10:15-10:35	M. Biscione, M. Danese, N. Masini, L. Fachechi, D. Bellusci, W. Lorenzetti. Artworks in high-risk context: integrated and low cost approach to theft and dispersion protection	E. Sanz-Rubio, A. Hernandez Sobrino, R. Parra Indiano, S. Cuezva, E. Soria Hernanz, A. Sanchez-Malo, M. Padilla, S. Mellado, T. Herrero, A. Fernández-Cortes. Enhancement of the historical "Royal Quicksilver Way"	10:15-10:35
10:40-11:00	M. Danese, M. Biscione, N. Masini. Advanced spatial analysis for archaeological predictive models. The Roman Age in Basilicata Region	N. Masini, M. Scavone, A. Pagliuca. Approaches to restoration project of monuments and historical sites in Southern Italy	10:40-11:00
11:05-11:25	F.T. Gizzi, M. Biscione, M. Danese, M. Sileo, M. Alvarez de Buergo. The "Sassi of Matera" site: examination of the weathering forms through on-field surveys and spatial analysis	D. Costa. The dialogue between stone and environment. Learning from practice	11:05-11:25
11:45-12:00	COFFEE BREAK		11:45-12:00
12:00-12:20	M. Chiriac, D. Basulto, J.C. Prieto, Santa María la Real Foundation. Development and implementation of the MHS algorithm for the preventive conservation of heritage monuments	J.M. Macías Bernal, A.J. Prieto Ibáñez. Data mining in relation to preventive conservation of architectural heritage of our cities	12:00-12:20
12:25-12:45	F.T. Gizzi, M. Biscione, M. Danese, N. Masini, B. Murgante, N. Saulino, M. Sileo, C. Zotta. ICT and cultural heritage safeguard	J.N. Bastos. The Palácio Fronteira - A Portuguese Heritage Project	12:25-12:45
12:50-13:10	J.M. Compañía Prieto, A. Reyes Carmona, E. Rodríguez Castellón. Comparative study of Roman counterfeit coins. A multi-technique approach	J.N. Bastos. Cloister design and contemporary space design solutions	12:50-13:10
13:15-13:35	L. Lopez-Gonzalez, M. Gomez-Heras, R. Fort, M. Álvarez de Buergo, S. García-Morales. Integrating Non Destructive Techniques with photogrammetry 3D models for the development of Geographic Information Systems in heritage structures	R. Ortiz, P. Ortiz, J.M. Macías, J.M. Martín, M.A. Vázquez. New vulnerability approach for monument diagnosis	13:15-13:35
13:40-14:00	A. Sánchez Vizcaíno, F. Gómez Cabeza, A. Martínez Carrillo, A. Ruiz Rodríguez. The heritage of the Iberians in 3D. The project 3D-ICONS and the European Digital Library	M.I. Martinez-Garrido, R. Fort. Sensing technologies for monitoring and conservation of cultural heritage: wireless detection of decay factors	13:40-14:00
14:00-14:10	CLOSING CEREMONY		14:00-14:10
14:10-15:30	LUNCH		14:10-15:30
27 June 2014			
10:00-13:00	Guided visit to the Andalusian Historical Heritage Institute (upon pre-registration)		10:00-13:00