



COLOUR & SPACE IN
CULTURAL HERITAGE

Suggestion for STSM hosts

COSCH-Participant	Host: information about the institute, possible object of the STSM	Contact: Contact person, link to the institution
Christian Degriigny (CH)	Ducal Palace of Germolles, 14 th c., Burgundy (FR): Spectral and spatial imaging of 14 th c. wall paintings Spatial imaging of elements of the château (photogrammetry...)	Christian.Degriigny@he-arc.ch , www.chateaudegermolles.fr
Frank Boochs (DE)	i3mainz: capture of 3D data from small to large scale objects integration of 3D and spectral data visualization of 3D data various processing chains for acquired data	frank.boochs@fh-mainz.de , www.i3mainz.de
Orla Murphy (IR)	UCC DAH (Digital Arts and Humanities) Visualization: definitions and standards in/for Cultural Heritage documentation and representation Range of challenging objects to be documented – metal (embossed and inscribed), glass (clear, crystal and enamel), textiles. 2 hosts available: Computer Science Imaging Lab. Digital Arts and Humanities Program.	o.murphy@ucc.ie , www.ucc.ie/en/dah
Anna Bentkowska-Kafel (UK)	Department of Digital Humanities , King's College London Digital scholarship of heritage visualisation (theory and epistemology); International standards and good practice in conservation and 3D documentation of cultural heritage; History and	anna.bentkowska@kcl.ac.uk http://www.kcl.ac.uk/artshums/depts/ddh/index.aspx

	legacy of visualisation projects across CH and humanities domains	
Marcello Picollo (IT)	IFAC-CNR 1D, 2D spectroscopic measurements on specimens and 2D objects. 1D spectroscopy data on samples and actual artworks: 200-2500 nm and 7000-375 cm ⁻¹ ranges 2D hyperspectral acquisition on small 2D objects: 400-900 nm and 900-1700 nm ranges.	m.picollo@ifac.cnr.it , www.ifac.cnr.it
Robert Sitnik (PL)	WUT IMiF 3D + multispectral + BRDF measurements: - automation of 3D measurements by means of robot arm and "next best view" algorithms, - 3D automated data processing development (3DMADMAC and FRAMES platforms).	r.sitnik@mchtr.pw.edu.pl zif.mchtr.pw.edu.pl
Sérgio Nascimento (PT)	Hyperspectral imaging of paintings or other flat objects Colorimetric analysis of spectral imaging data	smcn@fisica.uminho.pt
Meritxell Vilaseca (SP)	3D object reconstruction by means of a structured light stereovision system for CH studies Capture of spectral images by means of several multi- and hyperspectral systems for CH studies Integration of 3D and spectral data	mvilasec@oo.upc.edu Institution: CD6-UPC Website: http://www.cd6.upc.edu/
Josep Fortuny (SP)	Institut Català de Paleontologia (SP). We are a research centre in vertebrate paleontology, and we also have a museum which includes a collection of vertebrate fossils (more than 250.000 specimens), reptiles (including dinosaurs) and mammals (including primates). Interest in: capture 3D data of the specimens, 3D visualization and digital preventive conservation.	Josep.fortuny@icp.cat , www.icp.cat
Miroslav Hain (SK)	Institute of Measurement Science Slovak Academy of Sciences: X-ray microtomography for visualisation of shape and internal structure of small scale CH artifacts.	Miroslav.Hain@savba.sk http://www.um.sav.sk/en/
Alamin Mansouri (FR)	Laboratory of Electronics, computer science and Image, University of Bourgogne, France: - 3D acquisition - Multispectral acquisition	alamin.mansouri@u-bourgogne.fr Institute: Le2i Website: http://le2i.cnrs.fr/?lang=fr

	<ul style="list-style-type: none"> - Integration of 3D and multispectral data - 3D and multispectral processing 	
Kirk Martinez (UK)	<p>Reflectance Transform Imaging - with use of an imaging dome also Highlight-PTM experience</p> <p>objects - depend on the active campaign - there are typically imaging sessions on local objects, some in the British Museum and Ashmolean.</p> <p>Software projects: RTI processing and standardisation, annotation, viewing, colour calibration</p> <p>Two host sites are available here - Electronics and Computer Science - and the Archaeological Computing group.</p>	<p>km@ecs.soton.ac.uk University of Southampton www.southampton.ac.uk</p>
Daniela Korolija (RS)	The Gallery of Matica srpska	<p>daniela.korolija@gmail.com, www.galerijamaticesrpske.rs</p>
Alain Trémeau (F)	<p>Laboratoire Hubert Curien, Saint-Etienne, France</p> <ul style="list-style-type: none"> - Study cases and examples for the Knowledge Representation and Algorithm Selection Module - Fusion of 3D data and color data, color calibration 	<p>alain.tremeau@univ-st-etienne.fr http://laboratoirehubertcurien.fr/</p>
František Peterka (CZ)	Nanotechnology center of TUL , study of intelligent as eg.photoactive nanomaterials for the protection of culture monuments based on info available	<p>fpet@volny.cz http://www.tul.cz/en/</p>
Amandine Colson (DE)	<p>The German Maritime Museum – Deutsches Schiffahrtsmuseum – has a large CH collection covering objects like paintings, ceramics, archives, photographs, film, paper, ship models, a museum harbour, a submarine, medieval wooden ships etc...</p> <p>As a Conservator Amandine Colson could point out problems with regard to the documentation of CH objects from the museum collection.</p>	<p>Colson@dsm.museum http://www.dsm.museum/</p>
Fabian Friederich (DE)	Fraunhofer Institute for Physical Measurement Techniques IPM: Terahertz techniques have proven to be outstanding non-destructive testing methods. We develop and operate a wide range of terahertz systems. Besides gathering spectral information in the terahertz range, our systems can also provide depth information of the inner sample structure and therefore allow 3D inspections in volume.	<p>fabian.friederich@ipm.fraunhofer.de http://www.ipm.fraunhofer.de/en/ideas-expertise/terahertz-technology.html</p>

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