

## VSMM 2008 - AGENDA FOR THE FULL PAPERS

### ALL PLENARY SESSIONS

#### Monday 20.10.2008

##### Data Acquisition and Remote Sensing in Cultural Heritage

Time	Paper ID	Room: DEMETRA	Chair: Petros Patias	Authors
11:00-11:20	17	INTEGRATION OF A TLS IN A LOW COST MOBILE MAPPING SYSTEM.		Alshawa Majd; Grussenmeyer Pierre; Smigiel Eddie
11:20-11:40	30	AUTOMATIC EXTRACTION OF PLANAR FEATURES AND THEIR CONTOURS ON BUILDING FAHADES RECORDED BY TERRESTRIAL LASER SCANNER		Hakim BOULAASSAL ; Tania LANDES ; Pierre GRUSENMEYER
11:40-12:00	51	SEMI-AUTOMATED BUILDING SURFACE TYPE EXTRACTION FROM TERRESTRIAL LASER SCANNER DATA		Martin Somers
12:00-12:20	58	MARKLESS REGISTRATION FOR SCANS OF FREE-FORM OBJECTS		Artemis Valanis; Charalabos Ioannidis
12:20-12:40	46	ORTHOWARE: SOFTWARE TOOL FOR IMAGE BASED ARCHITECTURAL PHOTOGRAMMETRY		Antonio Martos; José Luis Lerma; Santiago Navarro; Sergio Rodriguez; Jacobo Rodriguez
12:40-13:00	45	EVALUATION OF A SIMPLER METHOD FOR LARGE SCALE DIGITAL ORTHOPHOTO PRODUCTION		Andreas Georgopoulos; Stefanos Natsis

#### Tuesday 21.10.2008

##### Graphics Applications and Visualization Techniques

Time	Paper ID	Room: DEMETRA	Chair: José Luis Lerma	Authors
09:15-09:35	23	DEVELOPMENT OF CAD-BASED 3D DRAWING AS A BASIC RESOURCE FOR DIGITAL RECONSTRUCTION OF BAM'S CITADEL (UNESCO WORLD HERITAGE IN DANGER)		Mohammad-Reza MATINI; Elham ANDAROODI; Kinji ONO; Asanobu KITAMOTO
09:40-10:00	10	CURATION AND PRESERVATION OF CAD ENGINEERING MODELS IN PRODUCT LIFECYCLE MANAGEMENT		Manjula Patel; Alexander Ball; Lian Ding
10:05-10:30	43	IMPROVING ARCHITECTURAL DESIGN ANALYSIS USING 3D MODELING AND VISUALIZATION TECHNIQUES		Stefan Boeykens; Mario Santana Quintero; Herman Neuckermans

##### Digital Reconstruction and 3D Modeling

		Room: DEMETRA	Chair: Ch. Ioannidis	Authors
11:00-11:20	6	3D LINE DRAWING FROM POINT CLOUDS USING CHROMATIC STEREO AND SHADING		Alvaro Rodriguez Miranda; José Manuel Valle Melón; José María Martínez Montiel
11:20-11:40	39	InMan: HOW TO MAKE SUSTAINABLE VISUALISATIONS OF THE PAST		Daniel Pletinckx
11:40-12:00	66	TRACEABLE STORAGE AND TRANSMISSION OF 3D COLOUR SCAN DATA SETS		Stuart Robson; Mona Hess
12:00-12:20	34	SURVEYING, MODELLING AND COMMUNICATION TECHNIQUES FOR THE DOCUMENTATION OF MEDIEVAL WOODEN PAINTED CEILINGS IN THE MEDITERRANEAN AREA		Benedetto Villa; Fabrizio Agnello; Antonio Gentile; Mauro Lo Brutto; Antonella Santangelo
12:20-12:40	47	3D MAPPING OF CULTURAL AND NATURAL HERITAGE: THE CASE STUDY OF THE CAVE OF POLYPHEMUS CYCLOPE		Petros Patias
12:40-13:00	67	RECONSTRUCTING 3D FACES IN CULTURAL HERITAGE APPLICATIONS		Andreas Lanitis; Georgios Stylianou

NOTES:

**Thursday 23.10.2008****Spatial Information Management for Cultural Heritage**

Time	Paper ID	Room: DEMETRA	Chair: D. Hadjimitsis	Authors
09:15-09:35	9	A GIS IN ANCIENT CARTOGRAPHY: A NEW METHODOLOGY FOR THE ON-LINE ACCESSIBILITY TO THE CARTOGRAPHIC DIGITAL LIBRARIES		Pilar Chias; Tomas Abad
09:40-10:00	59	REVEALING THE HERITAGE: CONSTRUCTING A GEOPROCESSED DATABASE FOR MONITORING THE ARCHITECTURAL PATRIMONY IN RIO GRANDE DO NORTE/BRAZIL		EDJA TRIGUEIRO; VALERIO MEDEIROS; ALANA OLIVEIRA
10:05-10:30	41	THE USE OF SPATIAL ANALYSIS AND SURVEY DATA IN THE INTERPRETATION OF ARCHAEOLOGICAL SITE STRUCTURE AND SPATIAL PATTERNING OF EPIPALAEOLITHIC-EARLY NEOLITHIC SITES OF IZEH PLAIN, SOUTHWESTERN IRAN		Niknami Kamal Aldin; Jayez Mozghan

**Semantics and Standards**

		Room: DEMETRA	Chair: Mario Santana Quintero	Authors
11:00-11:20	70	SHARING 3D ARCHAEOLOGICAL DATA: TOOLS AND SEMANTIC APPROACHES		Andrea D'ANDREA
11:20-11:40	33	LOOK OUT! CAN YOU SEE SOMETHING COMING? SEMANTIC BROWSING – WHAT MIGHT IT LOOK LIKE?		Keith May; Ceri Binding ; Doug Tudhope
11:40-12:00	52	NEEDLE IN THE HAYSTACK: FINDING, INDEXING AND SEMANTICALLY QUERYING IMAGE COLLECTIONS OF ANCIENT COINS		Maria Sifniotis; Achille Felicetti
12:00-12:20	57	SPECIFICATIONS AND STANDARDS FOR THE GEOMETRIC DOCUMENTATION OF CULTURAL HERITAGE		Sevi Tapinaki; Andreas Georgopoulos
12:20-12:40	21	METADATA-BASED TERMINOLOGY ONTOLOGY FOR KNOWLEDGE MANAGEMENT OF AN ARCHITECTURAL HERITAGE IN DANGER		Elham ANDAROODI; Kinji ONO; Asanobu KITAMOTO
12:40-13:00	27	SUSTAINABLE MARKUP AND ANNOTATION OF 3D GEOMETRY		Volker Settgast; Rene Berndt; Sven Havemann; Dieter Fellner

**Friday 24.10.2008****Cultural Heritage Resource Information Systems**

Time	Paper ID	Room: DEMETRA	Chair: Fulvio Rinaudo	Authors
09:15-09:35	20	PROFILING ARTEFACT CHANGES: A METHODOLOGICAL PROPOSAL FOR THE CLASSIFICATION AND VISUALISATION OF ARCHITECTURAL TRANSFORMATIONS.		Dudek Iwona; BLAISE Jean-Yves
09:40-10:00	18	A 3D HUMAN ACTIVITY RECOGNITION SYSTEM FOR INTERACTIVE ENVIRONMENTS		Su-jung Bae; Jin Choi; Yong-il Cho; Hyun S. Yang
10:05-10:30	31	ENVISION OF A DIGITAL FOUNDATION TO EMBED KNOWLEDGE AROUND RELEVANT ASPECTS OF CULTURAL HERITAGE		Luigi Mazzucchelli; Giuseppina Enrica Cinque

**Graphics Applications and Visualization Techniques**

		Room: DEMETRA	Chair: F. Niccolucci	Authors
11:00-11:20	71	TECHNIQUES FOR THE INTERACTIVE EXPLORATION OF HIGH-DETAIL 3D BUILDING RECONSTRUCTIONS USING THE EXAMPLE OF ROMAN COLOGNE		Stefan Maaß
11:20-11:40	8	PROFILING ARTEFACT CHANGES: A METHODOLOGICAL PROPOSAL FOR THE CLASSIFICATION AND VISUALISATION OF ARCHITECTURAL TRANSFORMATIONS.		Beata Stahre; Susanne van Raalte; Ilona Heldal
11:40-12:00	65	TOWARDS DIGITIZING COLOURS OF ARCHITECTURAL HERITAGE		Wei Yan; Pankaj Rajan
12:00-12:20	24	FROM INTERNET-BASED MULTIMEDIA DATA COLLECTION TO 3D VISUALIZATION OF VIRTUAL UNDERWATER SITES		Nader Cheaib; Samir Otmame; Malik Mallem; Adrien Nisan; Jean-Marc Boj
12:20-12:40	22	DEVELOPMENT AND EVALUATION OF ASUKA-KYO MR CONTENTS WITH FAST SHADING AND SHADOWING		Tetsuya Kakuta; Takeshi Oishi; Katsushi Ikeuchi
12:40-13:00	68	CYBER-ARCHAEOLOGY: AN ECO-APPROACH TO THE VIRTUAL RECONSTRUCTION OF THE PAST		Maurizio FORTE

<b>Saturday 25.10.2008</b>
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<b>Data Modeling and Infrastructure for Cultural Heritage Applications</b>
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Time	Paper ID	Room: DEMETRA	Chair: A. Lanitis	Authors
09:15-09:35	5	A DATA BASE SYSTEM FOR MANAGING INFORMATION CONCERNING HISTORICAL MORTARS		I. Papayianni; V. Pachta; Kaliopi Iliadou
09:40-10:00	62	SAINT CLASSIFICATION IN BYZANTINE ART		Konstantinos Raftopoulos ; Paraskevi Tzouveli ; Klimis Ntalianis ; Stefanos Kollias; Dimitris Kalomirakis

<b>Virtual Reality Applications in Cultural Heritage</b>
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Time	Paper ID	Room: DEMETRA	Chair: Maurizio Forte	Authors
11:00-11:20	50	WORTH A THOUSAND WORDS? THE USEFULNESS OF IMMERSIVE VIRTUAL REALITY FOR LEARNING IN CULTURAL HERITAGE SETTINGS		Laia Pujol Tost; Maria Economou
11:20-11:40	69	VR-BML: BEHAVIOUR MODELLING LANGUAGE		Krzysztof Walczak
11:40-12:00	54	AN AUGMENTED 3D ALBUM BASED ON PHOTOS AND BUILDING MODELS		Pablo Carneiro Elias; Asla Medeiros e Sá; Alberto Raposo; Marcelo Gattass
12:00-12:20	61	REAL TIME INTERACTION WITH CULTURAL HERITAGE OBJECTS IN VIRTUAL 3D		Ovidiu Domsa; Manuella Kadar
12:20-12:40	44	VIEW WHAT YOU WANT HOW YOU WANT: COMBINING DATABASE SYSTEMS AND CUSTOMIZABLE VIRTUAL REALITY TECHNIQUES IN CULTURAL CONTEXT		Stefano Valtolina
12:40-13:00	19	WEARABLE PERSONAL ASSISTANTS FOR THE MANAGEMENT OF HISTORICAL CENTRES		Jose Luis Izgara; Xabier Basogain; Diego Borro