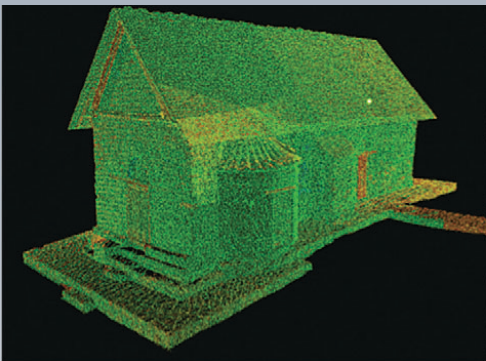


International Journal of **Heritage in the Digital Era**

ISSN 2047-4970

Published quarterly from January 2012
An invitation to contribute and to subscribe



Multi-Science Publishing Company
serving science & technology since 1961

International Journal of **Heritage** in the Digital Era

ISSN 2046-0430

The International Journal of Heritage in the Digital Era (IJHDE) is a quarterly high quality peer reviewed journal in the area of Digital Cultural Heritage and Digital Libraries. The journal's main scope is to advance the theory, research, practice and to provide a bridge of communication for academicians, researchers, professionals, scientists and students worldwide working in the different areas and disciplines of Digital Heritage. The IJHDE will focus on interdisciplinary and multi-disciplinary research concerning both innovative Cultural Heritage Informatics and use of technology for the digitalization, representation, documentation, archiving, preservation, and communication of Cultural Heritage knowledge. The journal is designed to serve as a source reference and archive of advancements in the following themes:

- Digital Data Acquisition Technologies in Cultural Heritage
- 2D and 3D Data Capture Methodologies and Data Processing in Cultural Heritage
- On-site and remotely sensed data collection in Cultural Heritage
- 2D and 3D GIS in Cultural Heritage
- Remote Sensing for Archaeology, GPS and GIS in Cultural Heritage Management & Monitoring
- CAD and FEM based Digital Reconstructions and 3D Modeling
- Reproduction Techniques and Rapid Prototyping in CH
- Visualization Techniques (desktop, Virtual and Augmented Reality)
- Virtual Reality in Archaeology and Historical Research
- Multimedia, Multilingual, Data Management and Archiving in Cultural Heritage
- Construction and indexing of large scale Multimedia/Multilingual data
- Encyclopedias in Cultural Heritage
- Computer Animation for CH Applications and Virtual Heritage
- Game Technologies in Cultural Heritage
- Non-Photorealistic Rendering of CH Data
- Virtual Museum Applications (e-Museums and e-Exhibitions)
- Digital/Virtual Documentation of Archaeological Excavations
- Novel Internet-based Cultural Heritage Applications
- Portals and Digital Libraries of Culture
- Usability, Effectiveness and Interface Design for Cultural Heritage Applications
- Interactive Environments and Applications in Cultural Heritage
- e-Libraries and e-Archives in Cultural Heritage
- National Digital Libraries and Aggregators as cross-domain systems
- Long term availability of content and its long term accessibility
- Effective IC-Technologies for the creation, management and reuse of content and knowledge
- Storytelling and authoring tools
- e-Learning in Cultural Heritage
- Tools for Education, Documentation and Training in Cultural Heritage
- Archaeological Analysis and Interpretive Design
- Standards, Metadata, Ontologies and Semantic Processing in Cultural Heritage and Digital Libraries
- Authentication, Accreditation and Digital Rights Management
- Legal issues: Water-Marking, Orphan Works, Copyrights and IPR
- Professional and Ethical Guidelines in Digital Cultural Heritage
- The Economics of Cultural Informatics and Tourism
- Natural and Man initiated deconstruction of Cultural Heritage and prevention techniques.
- ICT assistance in monitoring and restoration of monuments, archeological sites and artifacts

Editor:

Marinos Ioannides, Cyprus University of Technology, Limassol, Cyprus

Editorial Board Members:

Dr. Andrea Hadjiprokopis	UCL, UK
Prof. Martin White	University of Sussex, UK
Dr. Donald H. Sanders	CEO Learning Sites, USA
Prof. Howard Davis	University of Oregon, USA
Prof. Stefanos Kollias	National Technical University of Athens (NTUA), GR
Prof. Julian D. Richards,	University of York, UK
Dr. Maria Rousou	CEO Makebelieve, GR
Prof. Maurizio Forte	University of California, USA
Prof. Michael Doneus	University of Vienna, AT
Dr. Krzysztof Walczak	Poznan University, PL
Dr. Sven Havemann	University of Graz, AT
Prof. Andy Day	University of East Anglia, UK
Prof. Joan Anton Barcelo,	Universidad Autónoma de Barcelona, ES
Prof. Andreas Georgopoulos	National Technical University of Athens (NTUA), GR
Prof. Charambos Ioannidis	National Technical University of Athens (NTUA), GR
Prof. Klaus Hanke	University of Innsbruck, AT
Ass. Prof. Jose Luis Lerma,	Universidad Politecnica de Vancia, ES
Ass.Prof. Mario Santana	University of Leuven (KUL), BE
Ass.Prof. Aloysius Wehr	University of Stuttgart, DE
Dr. J-Angelo Beraldin	National Research Council, CA
Ass. Prof. Jabi Wassim	University of Cardiff, UK
Ass. Prof. Manolis Vavalis	University of Thessaly, GR
Dr. Fabio Remondino	B. Kessler Foundation, Trento, IT
Ass.Prof. Fulvio Rinaudo	Politecnico di Torino, IT
Prof. Pierre Grussenmeyer	NIASS, University of Strasbourg, FR
Dr. Rob Davies	CEO MDR Partners Ltd, UK
Prof. Fathi Saleh	CULTNAT, EG
Dr. Rosella Caffo	Ministry of Culture, IT
Prof. Eric Kansa	University of Berkeley, USA
Dr. John Van Oudenaren	Library of Congress, USA
Dr. Jan Boehm	UCL, UK
Prof. Yehuda Kalay	University Berkley, USA
Dr. Tomas Mildorf	University of West Bohemia, CZ

Forthcoming papers:

COLONIA 3D – COMMUNICATION OF 3D VIRTUAL RECONSTRUCTIONS IN PUBLIC SPACES

Matthias Trapp* et al. *Hasso-Plattner-Institut, University of Potsdam

PROCESSING PATHS FROM INTEGRATING MULTIMODAL 3D MEASUREMENT OF SHAPE, COLOR AND BRDF

Robert Sitnik* et al. *WUT, Faculty of Mechatronics, Poland

A NEW 'OPEN' METHOD FOR 3D MODELLING ON UNDERWATER ARCHAEOLOGICAL SITES.

Dimitrios Skarlatos* et al. *Cyprus University of Technology

continued over...

E.STONE, AN ARCHIVE FOR THE SARDINIA MONUMENTAL WITNESSES

Giorgio Verdiani* et al.

*Università degli Studi di Firenze, Facoltà di Architettura

VIRTUALIZING HERCULANEUM: INTEGRATED STUDY AND FRUITION OF ARCHAEOLOGICAL SITES

Antonella Coralini* et al.

*Università di Bologna, Via Zamboni 33, 40126 Bologna, Italy

LONG TERM MONITORING OF AIR POLLUTION ON MONUMENTS AND CULTURAL HERITAGE SITES IN CYPRUS USING SATELLITE REMOTE SENSING

Kyriakos Themistocleous* et al.

*Cyprus University of Technology

A REVIEW OF REALITY-BASED 3D MODELING, SEGMENTATION AND WEB-BASED VISUALIZATION METHODS

Fabio Remontino* et al.

*3D Optical Metrology Unit, FBK Trento, Italy

MEASURING THE CLASSIC MARATHON COURSE

Andreas Georgopoulos* et al.

*Laboratory of Photogrammetry, National Technical University of Athens, Greece

Order form

order details:

I/We wish to subscribe to the **International Journal of Heritage in the Digital Era** for one year
Print + On-line @ £267 Print Only @ £252 On-line Only @ £247

payment details:

Please invoice me/us*

Please charge to my credit card (Visa/Master card only):

Number:

Expiry date: /

Cardholder name: _____

your details:

Name: _____

Organisation: _____

E-mail: _____

Full postal address: _____

Please check that the above details are correct

Please send to: Multi-Science Publishing Co. Ltd, 5 Wates Way, Brentwood, Essex CM15 9TB, UK

Tel: +44(0)1277 224632

E-mail: mscience@globalnet.co.uk

Fax: +44(0)1277 223453

See more from Multi-Science at www.multi-science.co.uk

See journal specimens at multi-science.metapress.com