



International Journal of Architectural Computing

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Special Focus on Cultural Heritage

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CALL FOR PAPERS

Special Focus on Cultural Heritage

Due Feb. 15, 2007

International Journal of Architectural Computing

<http://architecturalcomputing.org/>

You are kindly invited to submit papers which will focus on the role of digital technologies in preserving, documenting, archiving, visualizing, and analyzing cultural heritage (CH) sites and works of architecture. The main goal of the special journal issue is not only to illustrate the programs underway but also excellent work wherever it is located and however it is supported, in order to promote a common approach to the tasks of e-documentation and protection of World Cultural Heritage.

To reach this ambitious goal the topics covered in the field of architecture in CH include experiences in the use of innovative recording technologies & methods and ways to integrate the results obtained to build up new tools and/or experiences as well as improved methodologies for documenting, managing presenting and communicating CH. The 2007 special issue will focus on interdisciplinary and multi-disciplinary research concerning both cutting-edge Cultural Heritage Informatics and use of technology for the representation, documentation, archival and communication of CH knowledge. The scope includes every phase of CH information technology: initial data capture/digitization, information/data processing, reconstruction, visualization and documentation as well as dissemination of results to the scientific and cultural heritage communities and to the general public.

Topics

Authors are welcome to submit unpublished work addressing the following subjects:

- 2D and 3D GIS in CH
- 3D Data Capture and Processing in CH
- Archaeological Analysis and Interpretive Design
- CAD and FEM based Digital Reconstructions and 3D Modeling
- Computer Animation for CH Applications and Virtual Heritage
- Data Acquisition Technologies focusing on Photogrammetry and Scanning
- Data Management and Archiving of archaeological sites and monuments
- Innovative Graphics Applications and Techniques
- Interactive Environments and Applications for CH
- Multilingual applications, tools and systems for CH
- Multimedia in CH for the presentation, documentation and archival of CH sites and monuments
- Natural and Man initiated destruction of Cultural Heritage and prevention techniques
- Non-Photorealistic Rendering of CH Data
- Novel Internet-based CH Applications
- Reproduction Techniques and Rapid Prototyping in CH for archaeological sites and monuments
- Standards and Documentation
- Tools to assist Interpretation of Cultural Heritage Sites and Monuments
- Usability, Effectiveness and Interface Design for CH Applications

- Virtual Museum Applications (e-Museums and e-Exhibitions)
- Visualization Techniques (desktop, VR, AR)
- Water-marking, copyright and ownership protection assistance via ICT

The International Journal of Architectural Computing (IJAC) is a peer-reviewed journal dedicated to promoting collaborative research and development of computer-aided architectural design. IJAC is committed to deepening the understanding of the foundations of digital systems for architectural design and the technologies enabling their development and application.

IJAC is published four times a year by MultiScience in both electronic and hardcopy. Successively, one issue each year is supervised by Editorial Board members from its four founding organizations: Education and Research in Computer Aided Architectural Design in Europe (eCAADe), the Association of Computer Aided Design in Architecture (ACADIA), Sociedad Iberoamericana de Grafica Digital" (SIGraDi), and Computer Aided Architectural Design Research in Asia (CAADRIA). Work is coordinate by Andre Brown (andygpb@liverpool.ac.uk), the Editor in Chief.

IJAC Paper Submission Guidelines

Authors are invited to submit complete and original articles, which have not been published elsewhere and are not currently under consideration for another journal or conference:

1. Original research papers of 3000 - 6000 words in length report on well-defined system implementation, theoretical results and empirical studies that have potential impact on understanding of computational, cognitive, and physical foundations, as well as the enabling technologies for developing and applying Architectural Computing systems.
2. State-of-the-art reviews can be either reflective criticism or comprehensive scholarly reviews of significant topics.
3. Brief papers present results that are important and original and are presented in concise form.

Special Notice

Upcoming deadline for Issue Two of 2007 is February 15. Manuscripts will be subjected to a rigorous review process, then accepted authors will be notified in early March, final manuscript will be due March 26.

Please refer to the publisher web site for author instructions.

http://www.multi-science.co.uk/gen_authors.htm

All manuscripts for IJAC (including the text and the illustrations) must be submitted electronically as email attachments to BOTH of the following:

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Senior Editors for the Current Issue

Please label Images as separate files with author name and figure number (e.g. smith_fig1). Queries about this issue may also be sent.

Important webpages

- Submission guidelines: <http://www.architecturalcomputing.org/html/jour/submit.shtml>
- IJAC Journal: <http://www.architecturalcomputing.org/html/jour/about.shtml> and <http://www.ingentaconnect.com/content/mscp/ijac;jsessionid=2be3hfskwbbsh.henrietta>
- Architectural Computing Organization: <http://www.architecturalcomputing.org/>
- ACADIA: <http://www.acadia.org/> and <http://www.acadia.org/ijac>