

ArchNet  

## International Journal of Architectural Research

Volume (1) - Issue (1) - March 2007



### Architecture Planning Built Environment Studies

An International Fully Refereed Journal  
Published three times a year

In this issue:

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# International Journal of Architectural Research

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# International Journal of Architectural Research

## Archnet- IJAR

ArchNet International Journal of Architectural Research – Archnet-IJAR is the first of its kind; an interdisciplinary comprehensive scholarly journal of architecture, planning, and built environment studies, that is blind reviewed and published on the World Wide Web three times a year.

### Objectives

Archnet-IJAR objective is to establish a bridge between theory and practice in the fields of architectural and design research, and urban planning and built environment studies. It reports on the latest research findings and innovative approaches for creating responsive environments, with special focus on architecture and planning in developing countries.

Archnet-IJAR is truly international and aims at strengthening ties between scholars from different parts of the world with contributors and readers reaching across geography, boundaries, and cultures.

Archnet-IJAR articles come from architects, interior designers, planners, and landscape architects, and from those working in these fields in academic institutions, universities, research centers, government agencies, and private practice.

### Reader

Archnet-IJAR addresses academics, practitioners, and students of architecture, planning and interior design. It addresses those who are

interested in developing their understanding and enhancing their knowledge about how environments are designed, created, and used in physical, social, cultural, economic, and aesthetic terms. Archnet-IJAR content keeps readers up-to-date on the latest ideas, designs, and developments in built environment related fields.

Archnet-IJAR publishes research studies, criticisms and evaluation studies, and critical analyses about the creation, use, and evaluation of different types of environments at the macro and micro scales. The journal includes original empirical research papers, analytical case studies, and high quality position papers. Three major areas are covered by Archnet-IJAR:

### Architectural and Design Research:

Topics include –but not limited to: architectural pedagogy and design studio teaching practices; architectural technology and sustainable design; design methods and architectural theories; design and project programming; environment-behavior studies; information technology; Islamic architecture; computer applications and virtual environments; post occupancy and facility performance evaluation; and social and cultural factors in design.

### Urban and Built Environment Studies:

Topics include --but not limited to: administrative and political factors contributing to the shaping of communities, cities and urban regions, community planning; sustainable urban conservation; environmental planning and eco

development; housing policy, planning, and design; new urbanism; sustainable development; space syntax and GIS applications; and way-finding and signage systems.

### **Critical Essays on Architectural and Planning Projects:**

Essays that cover the above topics; critically discussing projects in use; after they have been designed, built and occupied. Articles are preferred to utilize the case study approach as a critical method in built environment research.

### **Advisory and Editorial Boards**

The Chief Editor is in charge of developing journal issues, seeking out resources and articles, establishing publishing strategies, coordinating the review process, and posting each issue and its articles online. Archnet-IJAR has two boards; advisory and editorial. The range of expertise of the boards that include the panel of referees –academics and professionals- ensures high quality scholarly papers and allows for a comprehensive academic review of contributions that span wide spectrum of issues, methods, theoretical approaches, and professional practice.

### **Submission Process**

Unlike other printed Journals where contributors wait for periods that reach two or three years for their work to get published, the value of Archnet-IJAR as an online journal is that it eliminates the large lead time needed for publication. However, submission, referee, and publishing processes are strict and adhere to the following procedures:

Interested contributors contact the chief editor expressing interest, and submitting a summary of their paper. One page will do.

The chief editor consults with the advisory and editorial board members according to their relevant expertise.

Soon after receiving feedback from the referees, author(s) are contacted to submit their full papers.

When full papers are received, they will be forwarded to two editorial board members for blind review, according to the referee form.

The chief editor contacts the author(s) with the referee form filled by the reviewers. While papers will be blind reviewed, in exceptional cases author(s) will be asked to communicate directly with the reviewers.

Author(s) revise their papers as noted by the reviewers and re-submit their work to the chief editor.

Author(s) should make sure that their submissions should be free of jargon, clear, simple and to the point.

Papers will be published in the next issue according to the following schedule:

March 30th (publishing date): December 15th (deadline to receive papers after reviews)

July 30th (publishing date): April 15th (deadline to receive papers after reviews)

November 30th (publishing date): August 15th (deadline to receive papers after reviews)

Interested reviewers and members of the advisory board may submit their work for publication in Archnet-IJAR. Their work will go

through the same blind review process and will follow the preceding procedures.

## Notes to Contributors

### 1. Submission of Manuscripts

The language of the journal is English. All submissions will be online. One copy of the manuscript (in word document format) together with original figures and tables must be submitted to the editor: Ashraf Salama [ijar@mit.edu](mailto:ijar@mit.edu)

The name, mailing address, position, affiliation, telephone, fax, and email of each author must be supplied in a cover letter attached to an email. All papers will be blind reviewed and assessed by at least two referees.

### 2. Preparation of Manuscripts Layout

Manuscripts should be typed in double spacing on one side of A4 (21x29.7 cm) paper with reasonable margins (2.5 cm). All pages should be numbered consecutively.

#### Title page (page 1)

The first page of the manuscript must contain a concise and informative title; names, affiliations and addresses (including e-mail) of all authors, and identify the corresponding author (who will be responsible for correspondence and reviewing proofs). An abbreviated title of less than 50 characters (including letters and spaces) should also be suggested.

#### Title of paper, abstract and keywords (page 2)

Title of the paper should be written at the top of abstract without authors' name. A concise and informative abstract must not exceed 300 words in length, should summarize the objective, methods and major findings of the paper. Keywords must be carefully selected to facilitate

the readers' search on Archnet Website, and should not exceed 5 key words.

#### Articles

Articles should not exceed 6000 words, including references.

#### Notes

Avoid the use of footnotes and endnotes, if unavoidable, label as (1), (2) and list all together at the end of the paper.

#### References

References in the text should give the surname of the author and the year of publication in brackets, for example, Rowe (1985) or (Rowe, 1985), followed by a, b,...when two or more references to work by one author are given for the same year. Page numbers should be given for quotes (Mitchell, 2003:33). At the end of the text the references should be listed in alphabetical order of authors' names and in chronological order for each author. Initial and final page numbers of articles and papers should be given. The names of books and periodicals should be given in full, and the publisher and the city of publication should be given for books, conference proceedings, etc. Details of availability should be given for unpublished conference papers. Full references should also be given for legal judgments, bylaws and regulations, and government publications, etc. Examples of reference citation are given below.

Dutton, T.A. (Ed.). (1991). *Voices in Architectural Education: Cultural Politics and Pedagogy*, Bergin & Garvey, New York, NY, USA.

Hegvold, L. (1999). "Seeking an Effective Cross-Cultural Design Pedagogy." In William O'Reilly (Ed.), *Architectural Knowledge and Cultural Diversity*,

Comportments, Lausanne, Switzerland, pp. 93-100.

Salama, A. (1998). "Integrating Environment-Behavior Studies into Architectural Education Teaching Practices," In J. Teklenburg, J. Van Andel, J. Smeets, & A. Seidel (Eds.), *Shifting Balances: Changing Roles in Policy, Research, and Design*, EIRSS Publishers, Eindhoven, Netherlands, pp.128-139.

Salama, A. (2006). "Learning from the Environment: Evaluation Research and Experience Based Architectural Pedagogy," *Transactions, CEBE-Center for Education in the Built Environment*, Cardiff, UK, 3 (1), pp. 64-83.

Salama, A., O'Reilly, W. & Nochis, K. (Eds.). (2002). *Architectural Education Today: Cross Cultural Perspectives*, Comportments, Lausanne, Switzerland.

Sanoff, H. (1992). *Integrating Programming, Evaluation, and Participation in Design*, Avery, London, UK.

### Tables

Each table must be typed, and con-secutively numbered. They should have a brief informative title placed as a heading. Tables should be understand-able without reference to the text, but they should be referred to in the text. Explanatory captions should be brief and placed beneath the table.

### Figures

Figures should be numbered consecutively throughout the paper and identified with the authors' name and the figure number outside the reproduction area. Figures should be referred to in the text and should be placed within the body of the paper. However, all figures should be supplied in separate files as JPEG file format. Figure dimensions should not exceed 21x30 cm. Photographs should be used with restraint and must be of high quality. Explanatory captions should be brief, placed beneath the figure.

### 3. Submission Process, Copyright, and Originality of Work

Proofs will be sent to the corresponding author for checking. Proofs should be returned within one week of receipt. Authors should correct typesetting errors only; they should not add any new material to the paper at proof stage.

Please read the submission process and procedures, and copyright notes under the general outline of the ARCHNET-IJAR.

All correspondence should be addressed to the chief editor.

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IJAR@MIT.EDU

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##### Ashraf M. Salama

Ashraf Salama holds B.Sc., M.Sc. and Ph.D. degrees in Architecture. He is Professor of Architecture currently teaching at Qatar University, taught at KFUPM (2004-06), and was the Director of Consulting at Adams Group Architects in Charlotte, North Carolina, USA (2001-04). He is licensed architect in Egypt received his training at Al Azhar University in Egypt and North Carolina State University, Raleigh, USA. Salama chaired the Department of Architecture, Misr International University in Cairo (1996-01). He has published numerous papers in international conferences and archival journals and magazines. He authored and co-edited four books on Architectural Education: Designing the Design Studio (USA), Human Factors in Environmental Design (Egypt), Architectural Education Today (Switzerland), and Architecture as Language of Peace (Italy). Salama was the recipient of the first award of the International Architecture Design Studio, University of Montreal, Canada, 1990, and in 1998 he won the UIA Paul Chemetove Prize, France. He is member of scientific boards of several intl. journals.

##### Sheila Walbe Ornstein

Sheila Walbe Ornstein received her Ph.D in 1988 in architecture and urbanism She is full professor of the Faculty of Architecture and Urbanism at the University of São Paulo (FAUUSP), Brazil and researcher of the National Council of Scientific and Technological Development (CNPq). She was the vice-dean of FAUUSP from 1998 to 2002. Her research, teaching and professional interests include Post-Occupancy Evaluation (POE), Quality Design Management and Construction Technology. Dr Ornstein is a co-author of "Assessing Building Performance" (Elsevier, 2005) edited by W.F.E Preiser and J.C. Vischer.

##### Rosaria Ono

Rosaria Ono is architect and urbanist, has a master degree in Engineering at the Nagoya University (1991) and a Ph.D in architecture and urbanism of the Faculty of Architecture and Urbanism at the University of São Paulo (FAUUSP), Brazil (1997). She worked at the State of São Paulo Institute of Technological Researches (IPT) from 1991 to 2003 and is currently lecturing at the FAUUSP. Her teaching, research and consulting work includes Fire Safety, Post-Occupancy Evaluation (POE) and procedures for architecture professional practices. She has been the leader of several research projects focused on fire safety and its relationship with architecture and urban design and sponsored by relevant Brazilian agencies like Studies and Projects Sponsorship (FINEP) and Foundation for the Research Support of the State of São Paulo (FAPESP).

##### Maria Elisabete Lopes

Dr. Lopes holds a diploma of architecture and also received a doctorate in architecture and urbanism in 2005 from the Faculty of Architecture and Urbanism at the University of São Paulo (FAUUSP), Brazil. She is member of the São Paulo Municipality staff. Recently, she was commissioned at the University of São Paulo (USP) in order to adapt all USP Campi (the countryside and the São Paulo State capital ones) for reduced mobility people.

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Dr. Lopes also takes part of the Brazilian Association for Technical Norms (ABNT) which developed and updated accessibility technical standards. Her research, professional and teaching interests include Accessibility, Universal Design and Post-Occupancy Evaluation (POE).

#### Uma Maheswaran

Uma Maheswaran is currently a visiting fellow at the department of architecture, National University of Singapore. He works in the areas related to total building performance and in specific in relation to energy related issues in Buildings.

#### Ang Guo zi

Ang Guo zi is a graduate student in the department of architecture pursuing her Masters in Architecture in the Design Technology and Management track at the National University of Singapore.

#### Nikos A. Salingaros

Nikos A. Salingaros M.A., Ph.D., ICTP, ICoH is the author of "Anti-Architecture and Deconstruction" (2004), "Principles of Urban Structure" (2005), and "A Theory of Architecture" (2006), as well as numerous scientific papers. Both an artist and scientist, he is Professor of Mathematics at the University of Texas at San Antonio, and is also on the architecture faculties of universities in Holland, Italy, and Mexico. His work underpins and helps to link new movements in architecture and urbanism, such as New Urbanism, the Network City, Biophilic Design, Self-built Housing, and Sustainable Architecture. Dr. Salingaros collaborated with Christopher Alexander, helping to edit the four-volume "The Nature of Order" during its twenty-five-year gestation. In recognition of his efforts to understand architecture using scientific thinking, he was awarded the first grant ever for research on architecture by the *Alfred P. Sloan Foundation*, in 1997. Dr. Salingaros is a member of the *INTBAU College of Traditional Practitioners*, and is on the *INTBAU Committee of Honor*.

#### Kenneth G. Masden II

Kenneth G. Masden II received his B.Arch. from the University of Kentucky in 1982 and his M.Arch. from Yale University in 2001. While at Yale University he studied directly with Léon Krier, Fred Koetter, Andrés Duany, and Vincent Scully. Also during this time he worked for Peter Eisenman as the project architect on the Memorial to the Murdered Jews of Europe in Berlin, and as a project consultant on the Cidade da Cultura de Galicia (Center of Culture) in Santiago, Spain. His work spans from the design-build of custom homes, to Community Design work on Federal HUD Urban Renewal and Housing Projects, to large-scale base relocation and land reclamation projects for the U.S. Military, totaling nearly \$4 billion in projects, which he has designed or managed in Japan, Germany, Spain, Italy, and America. Now an Associate Professor of Architecture at the University of Texas at San Antonio, his research is influenced by his international experience underpinning his investigations into urban form.

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Dr. Masden's writings and work look specifically at the adaptive and culturally-driven urban systems that imbue the built environment with life.

#### Khaled Asfour

As an architecture student he acquired his practical training in Siemens-Munich office and upon graduation he worked as an interim architect in DLC Milan. His early exposure to European practice made him aware of different design mentality compared back home. At the age of 31 he completed PhD, specializing in history, theory and criticism of architecture Massachusetts Institute of Technology. In next seven years, he taught in King Faisal University of Saudi Arabia, and traveled in Gulf, Middle East and North Africa searching for architectural excellence in the Arab world. He wrote intensively on the subject which qualified him to become the regional editor responsible for all Arab entries in Dizionario della 'architettura del XX secolo published in Turin. He was then selected to be a research fellow at Harvard University, Graduate School of Design. He sat on international juries in American University of Sharja, Bahrain University, and Riyadh Development Authorities. He was one time a technical reviewer for Aga Khan Award for Architecture. Recently, he was invited to join a research group working on Architecture and Identity organized by Berlin Technical University. Since 2000 years he is teaching in Misr International University in Cairo.

#### Yasser Mahgoub

Dr. Yasser Mahgoub, Assistant Professor of Architecture, Department of Architecture, College of Engineering and Petroleum, Kuwait University. Received Doctorate in Architecture degree from The University of Michigan, Ann Arbor, USA in 1990. Taught at Ain Shams University, Cairo, Egypt from 1990 to 1993, at United Arab Emirates University, Al Ain, UAE from 1993 to 1999, and at Kuwait University from 1999 to date. Research interests include social and cultural aspects of architecture, sustainable architecture, architectural education and the impact of globalization on architecture. Teaches architectural design studios, human environmental factors, and architectural professional practice courses. Practiced architecture in Egypt and is currently a consultant for Kuwait University Vice President for Planning for the New University City Campus Master Planning.

#### Thalia Kennedy

Thalia Kennedy is a researcher, lecturer and teacher. She recently completed her PhD at the School of Oriental and African Studies in London in which she explored the social, political and historical aspects of sultanate architecture in South Asia. Her knowledge includes aspects of the art and architecture of Europe, the Middle East and South Asia. Thalia 's current research interests are the architecture of Muslim societies and the importance of cultural heritage in societies affected by conflict, civil unrest and natural disaster. Thalia is currently a Visiting Lecturer and Tutor at the Institute of Small Studies, the Victoria & Albert Museum and Sotheby's Institute in London. She has worked as writer and editor for on-line resources focused on South Asian art and architecture, and has presented her research at an international level.