
Community: Evolution or Revolution

Proceedings of the 33rd Annual Conference of The Environmental Design Research Association
Editor: Peter Hecht

Philadelphia, PA – May 22-26, 2002
Editor

Peter Hecht

Program Committee

Peter Hecht
Karol Williams
Walter Moleski
Rena Cumby
Lorle Wolfson
Susan Mikhail

Production Editor

Terri Folks

edra Business Office

Janet Singer
Amanda Bostwick

edra Board of Directors

Barbara Brown, Chair
Lena Sorensen, Vice Chair
Duncan Case, Secretary
Wes Chapman, Treasurer
Ann Sloan Devlin
Ellen Bruce Keable
Brian K. Schermer
Kathy Demsky
Janice Barnes
Peter Hecht, Ex-officio

REVIEWERS

Rula Awwad-Rafferty
Brodie Bain
Robert Bechtel
Duncan Case
Louise Chawla
Chip Clitheroe
Rena Cumby
Vicente del Rio
Keith Diaz-Moore
Karen Franck
Raymond Green
Robert Hershberger
Rachel Kaplan
Stephen Kaplan
Lorraine Maxwell
Susan Mikhail
Walter Moleski
Jack Nasar
Julia Nevarez
Lynn Paxson
Lubomir Popov
Joy Pothoff
Wolfgang Preiser
Susan Rodiek
David Saile
Henry Sanoff
Brian Schermer
Patricia Taylor
Jan Teklenburg
Karol Williams
Georjeanna Wilson-Doenges
Lorle Wolfson
Contents

introduction ......................................................................................................................... 1
Evolution or Revolution

edra33 Program Committee: Rena Cumby, Peter Hecht, Walter Moleski, Karol Williams, Lorle Wolfson

charrette ............................................................................................................................. 2
ON THE WATERFRONT AT EDRA 32: EDINBURGH URBAN DESIGN CHARRETTE
Brian Schermer, University of Wisconsin-Milwaukee

plenaries ............................................................................................................................... 5
Hope and Rehabilitation: Stories of Philadelphia Winners of the Rudy Bruner Award for Urban Excellence ......................................................... 5
Richard Wener, Polytechnic University, Lily Yee, Village of Arts and Humanities, James Brown, Parkside Preservation, Robert Shibley, SUNY Buffalo, Gary Hack, University of Pennsylvania

Rethinking Public Buildings and Public Spaces .................................................................. 6
Edward A. Feiner, Gary A. Hack, Paul R. Levy, Debajyoti Pati, Sharon Tsepas and Craig M. Zimring

Exploring Powell Lawton’s Legacy .................................................................................... 7
Organizer: Margaret Calkins

EDRA, PLACES RECOGNIZE SIX PROJECTS FOR DESIGN, RESEARCH, PLANNING EXCELLENCE ................................................................................................. 8

2002 edra/Places Awards .................................................................................................. 10

refereed papers ................................................................................................................. 11
Understanding New Residents as Keys to the Neighborhood Revitalization Process ........ 12
Graham Brown, Department of Family and Consumer Studies, University of Utah

Spatial Revolutions in Newly Developed Residential Neighborhoods to Provide for Community
Facilities and Developments. ............................................................................................. 19
Ochieng, Crispino C., Jomo Kenyatta, University of Agriculture and Technology

Arab Muslim Immigrants in the U.S.: Trilogy Shaping the Home Environment .................. 23
Amor, M. Cherif, PhD., Texas Tech University

Outdoor Territorial Control in Single-Family Homes As a Function of Status ...................... 32
Dr. Al-Homoud, Majd, Jordan University of Science and Technology, Dr. Al-Oun, Salem, Jordan Badia Research & Development Program

Agency of Change: Community Organizations and Environmental Change in Meinung, Taiwan ......................................................... 40
Jeffrey Hou, Ph.D., Department of Landscape Architecture, University of Washington

The Community Fabric of Formally Configured Public Neighborhood Parks ...................... 45
Mary Kay Wilcox, City of Des Moines Community Development Department

Table of Contents • i
### Table of Contents

*Post-Occupancy Evaluation and Organizational Learning* .......................................................... 51  
*Brian Schermer, University of Wisconsin-Milwaukee*

*Post-Occupancy Evaluation of New Office Tower in Nagoya, Japan: The Significance of Environmental Behavior Studies* .......................................................... 57  
*PIETER C. LE ROUX & AKIKAZU KATO, Dept. of Architecture, Toyohashi Univ. of Technology, Japan, KAZUHISA TSUNEKAWA, Dept. of Architecture, School of Engineering, Nagoya University, Japan*

*Assessing Best Value Attitudes of Client Groups* .......................................................... 64  
*John Kelly and Kirsty Hunter, School of the Built and Natural Environment, Glasgow Caledonian University, Glasgow G4 0BA*

*Battery Park City Authority’s Green Construction Guidelines* ............................................. 69  
*Mirele B. Goldsmith, Environmental Psychology Program, The Graduate School and University Center, The City University of New York*

*Reaching Communities through Service-Learning in Architecture Curricula* ............... 74  
*Ekaterini Vlahos, University of Colorado at Denver*

*The Physical Environment as a Context of Teachers’ Work and School Reform* ............ 81  
*Janice M. Siegel, University of California, Berkeley*

### Presentation Abstracts

**Aging** .......................................................................................................................... 90

- Design for Aging & Dementia ...................................................................................... 90
- Aging in Place & Health Environments ....................................................................... 91

**Children & Youth** ..................................................................................................... 93

- Children & Participation .............................................................................................. 93
- School Environments .................................................................................................. 93
- Aging in Place & Health Environments ....................................................................... 93
- Children and Participation ............................................................................................ 94

**Cultural Issues** ........................................................................................................ 103

**Health Care** ............................................................................................................. 108

**Housing** .................................................................................................................... 111

- Residential Environments ........................................................................................ 111
- Housing: Individual and Community - Tensions and Change .................................. 112
- Housing: Cultural Influences ...................................................................................... 112
- Housing: Individual Adjustments & Preferences ....................................................... 113

**Nature & Ecology** .................................................................................................... 116

- Community Planning Without Agency: Stories and Representations .................. 116
- Methods in Nature & Ecology Research ..................................................................... 123
- Restorative Effects of Nature ...................................................................................... 123
- Nature, Ecology & Place .............................................................................................. 124
- Creating Cultural Spaces ............................................................................................. 125
- Water, Water Everywhere: Water, ............................................................................ 125
- Cities, Environment & Behavior ................................................................................. 125
- Understanding Public Attitudes toward Environmental Impacts ............................ 126
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>edra Veracruz Chapter - Urban Neighborhoods &amp; Residents</td>
<td>127</td>
</tr>
<tr>
<td>Enhancing Education Through Sustainability</td>
<td>128</td>
</tr>
<tr>
<td>edra Veracruz Chapter - Sustainable Development</td>
<td>128</td>
</tr>
<tr>
<td>Deciding Who Goes Where: Relocation, Location and the Need for Space</td>
<td>129</td>
</tr>
<tr>
<td>Character of Place &amp; Action</td>
<td>130</td>
</tr>
<tr>
<td>Green Architecture</td>
<td>130</td>
</tr>
<tr>
<td>edra Veracruz Chapter - Sustainable Development</td>
<td>131</td>
</tr>
<tr>
<td>Other</td>
<td>133</td>
</tr>
<tr>
<td>Participation</td>
<td>138</td>
</tr>
<tr>
<td>Community Participation</td>
<td>138</td>
</tr>
<tr>
<td>Pgmg/POE</td>
<td>141</td>
</tr>
<tr>
<td>Evaluation: Issues &amp; Practice</td>
<td>141</td>
</tr>
<tr>
<td>Evaluation and Performance</td>
<td>142</td>
</tr>
<tr>
<td>Evaluation Tools</td>
<td>142</td>
</tr>
<tr>
<td>Other</td>
<td>143</td>
</tr>
<tr>
<td>Professional Practice</td>
<td>148</td>
</tr>
<tr>
<td>Security, Design and Behavior</td>
<td>148</td>
</tr>
<tr>
<td>Professional Training</td>
<td>151</td>
</tr>
<tr>
<td>Professional Training: Service Learning</td>
<td>151</td>
</tr>
<tr>
<td>Universal DSN</td>
<td>154</td>
</tr>
<tr>
<td>Urban DSN/Community</td>
<td>156</td>
</tr>
<tr>
<td>Urban Design Charette</td>
<td>156</td>
</tr>
<tr>
<td>Community and Place Identity</td>
<td>156</td>
</tr>
<tr>
<td>Community Development: Theories &amp; Applications</td>
<td>157</td>
</tr>
<tr>
<td>Approaches to Community Development</td>
<td>158</td>
</tr>
<tr>
<td>Urban Communities</td>
<td>159</td>
</tr>
<tr>
<td>Environmental Perception &amp; Complexity</td>
<td>159</td>
</tr>
<tr>
<td>Historic Foundations for Evaluation</td>
<td>160</td>
</tr>
<tr>
<td>Other</td>
<td>161</td>
</tr>
<tr>
<td>Cultural Aspect of Design Network</td>
<td>167</td>
</tr>
<tr>
<td>Work Environments</td>
<td>168</td>
</tr>
<tr>
<td>The Teaching Environment</td>
<td>168</td>
</tr>
<tr>
<td>Work Environments</td>
<td>169</td>
</tr>
<tr>
<td>Relationships between Spaces and Innovation Processes in Basic Science</td>
<td>170</td>
</tr>
<tr>
<td>New Trends and Alternative Approaches in Corporate Campus Design</td>
<td>170</td>
</tr>
<tr>
<td>World Trade Center Design and Catastrophe: Implications and Opportunities after September 11</td>
<td>170</td>
</tr>
<tr>
<td>Errata (2001)</td>
<td>173</td>
</tr>
<tr>
<td>Author Index</td>
<td>178</td>
</tr>
<tr>
<td>Keyword Index</td>
<td>182</td>
</tr>
</tbody>
</table>

Table of Contents • iii