

## Editors

Meldrena K. Chapin, Chief Editor; Andrew N. Greenberg, Assistant Editor

## EDRA37 Conference Program Committee

*Co-Chairs:* Meldrena K. Chapin & Andrew N. Greenberg, *Committee Members:* Jean Wolf, Lauren Leary, April Allen, Naz Kaya, Mary Anne Alabanza-Akers, Craig Zimring, Julia Nevarez, Maria Montero, Mine Hashas, Renée Hallman, Bonnie Heath (Photography)

## EDRA37 Conference Sponsors

*Gold Sponsors:* College of Architecture, Georgia Institute of Technology; Center for Conservation and Behavior, School of Psychology, Georgia Institute of Technology; Goodworks International, LLC; The Andrew Young School of Policy Studies, Georgia State University; The Andrew Young Center for International Affairs, Morehouse College  
*Silver Sponsors:* GeoStats, LP Atlanta, Georgia; Active Living Research (ALR), a National Program of the Robert Wood Johnson Foundation; Perkins+Will, Atlanta Georgia

## EDRA 2006 Board of Directors

Julia Nevarez, Chair; Keith Diaz Moore, Vice Chair; Susan Rowley-Balas, Secretary/Student Rep; Daniel Mittleman, Treasurer; Sally Augustin; Mary Anne Alabanza-Akers; Janetta McCoy; Brian K. Schermer; Meldrena K. Chapin, Ex-Officio Member

## EDRA Placemakers

Bob Bechtel, Stephan M. Klein, Keith Diaz Moore, Robert Riley

## EDRA Wayfinders

Paul B. Harris, Lyn Geboy, Randy Hester, Susan Rodiek, Daniel Mittleman, Janice Bissell, Catharine Ward Thompson, David Saile

## Graphic Design and Document Layout

Renée Hallman, be-design, Atlanta, GA

## Cover Design and Section Art

Larry McFall, Gallis and Associates, Charlotte, NC and Renée Hallman, be-design, Atlanta, GA

Special Thanks to the EDRA Business Office Executive Director, Janet Singer and Assistant Extraordinaire, Julie Mathis, for their continued, extensive, and enthusiastic support of EDRA as an organization, EDRA's annual conference and the creation of these proceedings. Our appreciation also goes out to Ellen Keable, former EDRA president for her advice & support.

[www.edra.org](http://www.edra.org)

Copyright © 2006 The Environmental Design Research Association (EDRA)

PO Box 7146, Edmond, Oklahoma 73083-7146

All rights reserved. No part of this book covered by copyright herein may be reproduced or transmitted in any form or by any means – graphic, photocopying, recording, taping, electronic or information storage and retrieval systems – without written permission of the publisher.

ISBN 0-939922-32-0

# TABLE OF CONTENTS

1	EDRA37: Beyond Conflict
3	Conference Overview
4	<b>INVITED PAPERS AND PRESENTATIONS</b>
5	<i>Beyond Conflict: Reconciling Health and the Environment</i>
6	<i>Deadly Waiting Game: Why some communities must wait for health &amp; environmental protection</i> Bullard, Robert D.
12	<b>EDRA/Places Awards Revisted</b>
12	<i>Incremental Urbanism: The auto &amp; the pedestrian reconsidered in strip redevelopments</i> Gamble, Michael, and LeBlanc, W. Jude
13	<i>A Case for Synthesis Between Research &amp; Pedagogy: Incremental Urbanism</i> Gamble, Michael, and LeBlanc, W. Jude
15	<i>A Case Study Examining the Applicability of Using Health Impact Assessment to Evaluate the Redevelopment of Buford Highway</i> Rutt, Candace
16	<b>Beyond Conflict: Participatory Design with the Homeless – A new design for Peachtree-Pine</b>
18	<b>Beyond Conflict: A Historic Story of Urban Planning in Atlanta</b>
18	<i>The History of Freedom Parkway: Transportation planning, traffic engineering and public involvement perspectives</i> Wolf, Jean
20	<b>REFEREED FULL-PAPERS</b>
21	<i>Sedentary and Fleeting Activities and their Spatial Correlates in Offices</i> Mahbub Rashid, PhD, AIA, David Craig, PhD, Craig Zimring, PhD
30	<i>Stress and Studios: A post-occupancy evaluation of studio spaces in the College of Environmental Design and Planning</i> Sophia Meger, 2006 EDRA37 Student Award Winner
41	<i>Children's Notions of Environmental Care: The case of a low-income Muslim neighborhood in India.</i> Sudeshna Chatterjee 2006, EDRA37 Student Award Winner
55	<i>Social Change and Residential Environment: Change of Ondol (Korean heated floor) and domestic life in Korea during the 20th century</i> Jung-hye Shin
65	<i>Density, Fear, and Terrorism: How 9/11 has affected people's desire to live in an urban area in Franklin County, Ohio</i> Vincent Mantero
79	<i>Public Perception of Productive Land Uses: Franklin County, Ohio</i> Charles Cartwright, Lisa Cutshaw, and Tristan McMannis with Jane Amidon
99	<i>A Collaborative Approach to Sustainable Land Use Planning in McHenry County, Illinois</i> Donovan Finn
107	<i>Low-cost Measures of Environmental Renewal through Direct Technological Transfer</i> Stefan Pollak
113	<i>Fitting the Old with the New: A new approach to contextual fit</i> Natheer Abu-Obeid

121 **THEMATIC ABSTRACTS**

---

122 **Active Living**

126 **Children and Youth Environments**

- 131 Day Care/Preschools
- 133 Schools and Classrooms
- 137 Public Space/Urban Space and Youth

140 **Cities and Small Towns**

- 140 Cities/Suburbia/Exurbia
- 147 Small Towns and Neighborhoods

153 **Conflict**

- 153 Urban Conflict
- 155 Conflict Resolution
- 160 Disaster
- 164 Memorials
- 166 Homelessness and the Built Environment
- 167 Crime and the Built Environment

172 **Culture and Environment**

182 **Digital Environments and Technology**

191 **Environment-Behavior/Education**

- 192 Studios
- 195 Curriculum
- 199 University Environments
- 203 Research Methods

205 **Environmental Gerontology**

- 214 Dementia/Dementia Special Care Units
- 220 Long-term Care

226 **Environmental Psychology**

- 228 Cognition
- 231 Environmental Zoology
- 232 Movement and Wayfinding

235 **Health Environments**

244 **Housing**

260 **Nature and Ecology**

264 **Participatory Design**

272 **Post-Occupancy Evaluation/Programming**

- 279 Universal and Accessible Design
- 283 International Building Performance Evaluation

288 **Urban Planning**

- 293 Sustainability/Land Use

306 **Workplace Environments**

316 **ERRATA**

---

317 *Computer Game Playing and Spatial Knowledge* Cubukcu, Ebru

317 *Diversity of Settlement in a Settlement: A way forward in cities of the developing world – case of Nairobi*  
Ochieng Crispino

318 **INDEX**

---

319 Author Index

324 Title Index

332 Keyword Index