

Contents

- iii **Introduction**
- iv **Acknowledgments**
- vi **Awards**
- Plenaries**
- Powers Acting in the Environments
- 3 *Introduction*
Graeme Hardie
- 3 *Empowerment and the Environment*
Roberta Feldman
School of Architecture
The University of Illinois at Chicago
- 5 *The Power of Enlightened Designers*
David Chapin
Department of Environmental Psychology
City University of New York
- 6 *Design Profession and the First Amendment*
Peter Hecht
Environmental Research Group
- 7 *The Power of Knowledge*
Lynda Schneecloth
Department of Architecture
School of Architecture and Planning
University of Buffalo
State University of New York
- 9 *Feigning the Future: Power and Representation in Environmental Design*
Kimberly Dovey
Department of Architecture and Building
University of Melbourne
Victoria, Australia
- 10 *Discussion of the Presentations*
Charles Hoch
School of Urban Planning and Policy
College of Architecture, Art and Urban Planning
The University of Illinois at Chicago
- Environmental Power in Human Transitions
- 14 *Place-Archetypes as a "Natural Language"*
Michael Brill
BOSTI, Inc.
- 27 *Environmental Power in Human Transitions*
Galen Cranz
Department of Architecture
U.C. Berkeley
- 32 *From Stillness Towards Movement: The New Birth Places*
Bianca Lepori
Rome, Italy
- Board Sponsored Panel**
- 34 *Action Groups—Activist Researchers in Chicago: Partnerships for Empowerment*
Feldman, R. and S. Stull
- Selected Papers and Paper Abstracts**
- Acquiring Environmental Knowledge and Meaning
- 37 *A Preliminary Study of the Process of Object Meaning*
Bih, H.
- 40 *The Power of Affordance and Self-Directed Activities in the Acquisition of Environmental Cognition*
Torell, G.
- 45 *Language and Environment*
Ba, H.
- 45 *Powerful Design: Continuing the Design Legacy at Crow Island*
Hebert, E.
- Architecture and Education
- 46 *Preferences for Citation and Non-Citation Architecture Over Time*
Nasar, J. L. et al.
- 50 *The Rise and Fall of Modern Mythic Power in Architecture*
Bartlett, P.

- 50 *Results from Educational Survey about Basic Design and Architectural Design*
Burnworth, T. and H. Lawrence
- Behavior Settings
- 50 *Preventive Analysis of a Hospital Setting*
Ortega-Andeane, P.
- 56 *The Application of Behavioral Research Methodology to Environmental Design Problems in Libraries*
Montanelli, D. S. and J. E. Potthoff
- 56 *Social Accounts and Taxonomic Criteria*
Prescott, J. R. and Q. Zhu
- Children and Places
- 57 *Teenagers in Suburbia: A Case Study in a California Suburb*
Hall, L.
- 62 *Valued Outdoor Places: A Study of Teen Places in Sunshine, Australia*
Owens, P. E.
- 66 *Children's Housing Preferences*
Devlin, A. S.
- Defining the Public Realm
- 66 *Qualities that Take Us from Space to Place*
Armour, E. M.
- 71 *Can We Go Inside Buildings Anymore?*
Lambla, K.
- 78 *VOID: Public Space in Buildings*
Urban, J. R.
- 81 *Settings of Public Life*
Sinha, A.
- Design Theory
- 81 *Design is Power is Design*
Teymur, N.
- 85 *Materiality as Decorum in Alberti's Ten Books: Technology as Statecraft*
Borys, A. M.
- 85 *The Organic Theory and Progressive Hierarchy: A Design Metaphor for Community Planning*
Rastan, S.
- 86 *An Emerging Need for Redefining the Built Environment*
Yan, W.
- Design Tools and Strategies
- 86 *Patternmakers and Tollbuilders: The Design of Information Structure in the Professional Practice of Architecture*
Cohill, A. M.
- 92 *Environmentalism on the High Frontier: Nature, Technology, and a Sustainable Future*
Summit, J.
- 96 *The Effect of Cost Constraints on the Design, Construction and Location of Single Family Houses*
Day, L.
- 97 *Computer Enhancement of the Generation of Variety and Ideas*
Witt, T.
- Disruption in the Home
- 97 *Meeting the Needs of Children at Shelters for Victims of Domestic Violence*
Holmes, M.
- 103 *Adjustment and Adaptation Among World War II Evacuees to Loss of and Disruption to Home*
Tognoli, J. and J. Young
- 107 *Resent Research on Home Modifications for People with Dementia Residing in the Community*
Calkins, M.
- 107 *Masculinity and Domestic Space*
Welzer-Lang, D. and J. P. Filiod
- Domestic Settings
- 108 *Resident Satisfaction in Buildings Renovated for Housing*
Speicher, K. and J. Potter
- 114 *Geographical Scales of Residential Satisfaction for Older Adults: A Comparison of Swelling and Neighborhood Satisfaction*
Taylor, P. S.
- 118 *Family Social Climate, Stage of Life Cycle and Design of Dwelling*
Inman, M.

- Emotion and Experience
- 119 *The Meaning and Experience of Shared Housing: Companionship, Security and ... A Home*
Després, C.
- 128 *The Design Archetype*
Garant, C.
- 130 *A Thiis-Evensen Interpretation of Two 20th Century Churches: LeCorbusier's Ronchamp Chapel and Frank Lloyd Wright's Unitarian Church*
Lin, Y. and D. Seamon
- 142 *Influence of Architectural Style on Emotional Response*
Busling, L. S.
- Empowerment
- 143 *An Interpretation of Dutch Public Space: A Woman by a Window*
Freedman, J. E.
- 145 *Messages from Space: Privacy and Power in Housing*
Robinson, J. W.
- 152 *Engaging High School Students in the Development of a Master Plan for their Campus: Listening, Playing, and 'Hanging-Out'*
Stine, S. et al.
- 157 *Empowering the Disabled: Architectural Barrier Removal*
Sullivan, P.
- Environmental Components
- 158 *The Use of Seats in Urban Public Open Space*
Elgharabli, F. A.
- 163 *The Modern Door Level Handle*
Habegger, J.
- 164 *Non-Visual Effects of Light on Children*
Hathaway, W. E.
- 164 *The VDT and the Sonic Environment*
McVey, G. F.
- Environmental Values and Attitudes
- 165 *How Do Childhood Experiences Influence Environmental Attitude Information?*
Hoyt, K. A. and L. P. Acredolo
- 171 *Attitudes Toward Nature*
Cruz-Bermudez, J. F.
- 171 *Preliminary Research on the Planning of an urban Ecological Greenery System—Shanghai*
Liu, B.
- 171 *Ark-Type Sustainable Development System*
Tabb, P. J.
- Evaluations of Environments
- 171 *Developing In-house POE System for Korea National Housing Corporation*
Choi, J.
- 172 *Inside Public Housing: A Study of Building Interiors*
McCully, D.
- 172 *Evaluation of Roberts Pitts Plaza*
Schnee, D. M.
- Landscape Preferences and Perception
- 172 *The Influence of Recreation Preferences Upon Scenic Beauty Judgment Standards*
Ribe, R.
- 179 *Mere Exposure Effect and Environmental Landscape: A Search for Effect in Two Exposure Conditions*
Hoyt, D. et al.
- 179 *The Expected Spatial Relationships among Recreational Facilities*
Kim, H.
- 180 *A Study of Open Space Preference*
Liu, Z. and P. Miller
- Perception, Place and Privacy
- 180 *Designing for the Child's Privacy in the Preschool Environment*
Lowry, P.
- 188 *Recent Formulations of Place in Social Theory*
Graig, E.
- 188 *Some Notes on the Perception Stability of Architectural Compositions*
Weber, R.

- Power in Traditional Places
- 189 *Difference Bioclimate Response in Traditional Dwelling in Venezuelan Andes*
Luengo, F. and H. Gerardo
- 189 *The Architecture of West Sumba: Power through Culture and Tradition*
Mross, J.
- 189 *The Hindu Temple: Its Meaning and Role in the United States*
Raman, D.
- 189 *The Chinese Courtyard in Beijing: Culture as a Power to form Space*
Xu, P.
- Power of Design
- 190 *The Chair as an Agency of Hierarchy and Power*
Cranz, G.
- 196 *Empowerment and Professional Practice*
Sadan, E. and A. Churchman
- 201 *Power by Design: The Social Construction of a Profession*
Ward, A.
- 218 *Power, Knowledge and Design: Kulturkampf Revisited?*
Francescato, G.
- Power of Research Knowledge
- 218 *Power and Control in E & B Research*
Bechtel, R. B.
- 221 *Research Knowledge as Power in a Politicized Milieu: 20/20 Hindsight on the Lower Wisconsin State Riverway*
Chenoweth, R.
- 221 *Measuring Willingness to Conserve: The role of Intrinsic Satisfaction*
De Young, R.
- 222 *The Power of Information in Environmental Psychology*
Lena, M. M. and A. Campos
- Wayfinding and Satisfaction
- 222 *A model for Managing Visitor Experience at Historic Lighthouses in the Apostle Islands National Lakeshore*
Cartlidge, T.
- 233 *Buildings and Wayfinding: A Framework for Guidelines*
Venemans, P. et al.
- 240 *Suburban Residential Streets: A Comparison Between Cul-De-Sacs Versus Through-Streets*
Al-Kodmany, K.
- Workshop Summaries**
- 243 *An "Old Boys Club?" "For Whites Only": Strategies to Address Gender, Race, and Cultural Issues in Architectural Education*
Anthony, K.; Mazumdar, S.; Day, K.; Eyres J.; and R. Patel
- 243 *The Changing Practice: Linking POE and Programming*
Bain, B. and R. Bertrand
- 244 *Community Empowerment through Interactive Design*
McClure, W.; Hurand, F.; and A. Byrne
- 244 *Empowering Rural Communities*
Norris-Baker, L.; Chawla, L.; Hunt, M.; and W. McClure
- 245 *Environment-Behavior Gerontology Update*
Calkins, M.; Hoglund, D.; Weisman, J.; Meister, W.; Connell, B. R.; Sanford, J.; Baird, C.; Bell, P.; Martuchuski, D.; Norris-Baker, L.; Scheidt, R.; Cooper, B.; Harvey, J.; Kalymun, M.; Cohen, U.; and K. Day
- 245 *Exploring Space as Organizational Strategic Resource*
Zimring, C.; Wineman, J.; Auld, S.; Han, B.; Shraim, M.; and U. Yoo
- 246 *Housing Alternatives for the Older Adult*
Inman, M.; Franklin, E.; Shea, J.; and R. Null
- 246 *Housing in Developing Areas of the World: Power by Design?*
Potter, J. J.; Albanza, M. A.; Ornstein, S. W.; and G. Bruna
- 247 *Human Responses to Management, Preservation and Restoration of Natural Environments*
Kocker, S.; Levi, D.; Gobster, P.; Edelstein, M.; and D. Hey
- 247 *Ideal Environments*
Brower, S.; de Betania Cavalcanti, M.; Riley, R.; Feldman, R.; and N. Rubinstein
- 247 *Museums for Children in Mexico City: Power of Interactive Design*
Manzur-Soda, H. and M. Acuna-Rivera

- 248 *New Workgroup Concepts: Design for Emerging Models of Work*
Wineman, J.; Luchetti, R.; Margulis, S.; Serrato, M.; and U. Yoo
- 248 *Paths to Phenomenology*
Case, D.; Boschett, M.; Seamon, D.; and Patterson, D.
- 248 *Power by Design: Diversity as Design Language...Reconnecting Self and Place, Healing Anonymity, Displacement and Rage*
Sowande, L.; Mayer, R.; Howard, B.; and J. Williams
- 249 *Power of Collaboration*
Bechtel, R.; Ledbetter, B.; Weidemann, S.; Anderson, J.; Shibley, B.; Schneekloth, L. H.; and M. Brill
- 249 *Power of People: Knowledge and Attitudes of Mexican Teenagers Toward Environmental Problems*
Bustamante, N.; and J. Urbina-Soria
- 249 *Power of Telling Stories of the Rudy Bruner Award*
Wener, R.; Shibley, B.; Bode, S.; Decker, M.; and C. C. Marcus
- 250 *Power, Policy and Design: Mandating Energy Conservation in Public Buildings*
Kantrowitz, M.; Robbins, A.; and J. Heubach
- 250 *Power to Reveal & Conceal: Type and Environmental Design*
Schneekloth, L. H. and K. Franck
- 250 *Redesigning Public Housing: Cases and Critique*
Franck, K.; Epp, G.; Feldman, R.; Cooper-Marcus, C.; and L. Vale
- 251 *The R. V. Lifestyle: Research Based Approach to Experiential Design Education*
Null, R.; Inman, M.; Speical, K.; and b. Flannery
- 251 *Socially and Environmentally Responsible Design Education*
Klein, S. M.; Chavez de Ortega, E.; Horwitz, J.; Schneekloth, L. H.; Sutton, S. E. and Karin Tetlow
- 252 *Symbols of Power in the Office Environment*
Spreckelmeyer, K.; Zimring, C.; Mazumdar, S.; and D. Saile
- 252 *Tactile/Textural Attributes in the Built Environments*
Davey, J. D.; Bhattacharya, S.; and S. Vanka
- 253 *The Tool Box Series*
Parker, C. and Z. Kezer
- 253 *Transformation by Design*
Franck, K.; Sherman, H.; Watson, P.; and B. Lepori
- 253 *The Ups and Downs of Chicago Women in Architecture*
Anthony, K. H.; Scanlan, E.; and A. Maxwell
- 254 *Who's in Charge Here? Definitions and Degrees of Empowerment*
Childress, H.; Bose, M.; Chaudhury, H.; Elshestawy, Y.; and L. Ramasubramian
- Selected Intensive Workshop Papers and Summaries**
- Emotional Power of Place
- 257 *Emotional Power of Place Intensive Workshop Summary*
Gurstein, P.
- 257 *Chapel Adventures: Empowerment through Place*
Fisk, D. B.
- 258 *Power, Gender, and Design: Releasing the Suppressed Feminine Aesthetic*
Ganoe, C. J.
- 259 *Reflections of the Emotional Power of Place*
Ganoe, C. J.
- 259 *Mood Places: "Affectedness" as a Condition for the Possibility of Environmental Perception*
Kroll, J.
- 261 *Toward a Phenomenological Re-thinking of Emotional Power of Place*
Stefanovic, I. L.
- 262 *What Makes a House a Home: The Garden?*
Sime, J. D.
- Environmental Autobiography and Places of "Trauma": The Lessons of the Unspoken
- 262 *Places of Trauma Summary*
Rubinstein, N. J.
- 267 *There is NO Place Like "Home": Home as "Trauma"*
Rubinstein, N. J.
- Focus on Energy : Design and Behavior
- 273 *Focus on Energy Summary*
Heubach, J. G.

- 276 *When Alternative Energy is Kapu: Native Hawaiian Culture and Geothermal Energy Development*
Edelstein, M. and D. A. Kleese
- 276 *Cleaning the Air: Implication of Atmospheric Ozone for Human Behavior*
Edelstein, M.
- 276 *Some Thoughts on Energy, Technology, and Gender*
Kantrowitz, M.
- 277 *Public Involvement in the Development of Solar Access Ordinance*
Levi, D. and S. Kocher
- 277 *Consumer Values, Technology Innovations, and Energy Use at Home*
Morrison, B. M. and O. Yu
- 277 *Trouble in the Troposphere: The Other Ozone Problem*
Makofske, W. and M. Edelstein
- 278 *Perceived Winter Thermal Comfort in Small Apartment Buildings in Minnesota: Preliminary Findings*
Robinson, J. W. et al.
- Open Session on Power
- 278 *Preparing for Power*
Madlen, S.
- 281 *Empowerment on Main Street: Implementing Research-Based Design*
Verderber S. and B. J. Refuerzo
- 284 *The Possibility of a Single Building Approaching the Whole of Space Inhabited by Man*
Camacho, E. J.
- 284 *Drawing and the Power to Generate Design*
Handa, R.
- 284 *Shopping Center Inducing Behavior Changes in Sao Paulo*
Ornstein, S. W. and G. C. Bruna
- 284 *The Power of Trees in the Urban Environment*
Van Rooy, K.
- Power of Evaluation: Empowerment, Disempowerment
- 285 *Enabling or Disabling Users' Everyday Life: The Impact of Professional Approached in Design of Collective Housing*
Krantz, B.
- 288 *Access and Power: User Participation in Developing Three Wheelchair Accessible Canadian Housing Co-ops*
Rodman, M. and M. Cooper
- Single Room Occupancy: Hotels for Women
- 292 *Single-Room Occupancy Hotels for Women: Women and Environments Network Planning and Evaluation Charette Hosted by the Women and Environments Network*
- The Office in the 21st Century: Power, Place and Polarity
- 297 *Pedestrian Activity in CDB and Suburban Office Districts: A Study from Montreal*
Zacharias, J.
- Working Group Summaries**
- 309 *A Children's Village*
Jackson, B.
- 310 *A Feminist View of EDRA 24*
Schneekloth, L. H.; Krause, L.; Manzo, L.; and R. Peterson
- 310 *Desperate Housing Needs: Research/Advocacy Partnerships with Low- and No-Income Minority Communities*
Saegert, S.; Rivlin, L.; Valmont, M. E.; Imbimbo, J.; Peterman, B.; Karnas, F; and J. P. Thompson
- 311 *Diverse Aspects of Place Attachments*
Valmont, M. E.; Rivilin, L.; Waddell, P; and L. Manzo
- 311 *Empowering the Designer: Rethinking the Studio Experience*
Osterhaus, W. and Z. Kezer
- 311 *Environment and Behavior in the Olympic Village: On to Atlanta*
Wener, R. E.; Hecht, P; Harvey, J.; Archea, J.; and J. Bak
- 312 *Environmental Cues in a Cross-cultural Context*
Hecht, P; Archea, J.; Weisman, G.; Funahshi, K.; Bertrand, R.; Bak J.; and D. Habert
- 312 *Towards a Truly Hemispheric EDRA II*
Klein, S. M.; Chavez de Ortega, C.; Ortega-Andeane, P; Sorensen, L.; and J. Orbina-Soria

Poster Abstracts

- 315 *Optical Scanning of Customized Questionnaires*
Brown, B.
- 315 *Each Building: Building on its Surroundings*
Camacho, E. J.
- 315 *We Can Learn From Cross-Cultural Workplaces: A Study of American Executives in Japanese Workplaces in the U.S.*
Cooper, S.
- 316 *Resident Planned Communities*
Donahue, J.
- 316 *Kalamazoo Direct to You: Empowering Mentally Ill Citizens and Other Disempowered Adults Through the Creation of Well Designed, Affordable Housing Units in a Midwest Vernacular*
Forsleff, L. et al.
- 316 *Power by Design: 100 Places*
Garland, C. A. and G. W. Evans
- 317 *Architectural Empowerment/Disempowerment: More than Addition*
Gregory, A.
- 317 *Post Occupancy Evaluation of the Research Vessel Heraclitus*
Hahn, R. and A. Buslig
- 317 *Situations of the Powerless: Housing Problems of Older Adults in the U.S. and the South*
Inman, M. et al.
- 318 *The Impact of Legislation and Design Guidelines on New Tourist Buildings and Local Environment*
Onbilgin, T.
- 318 *Workgroup Space Measures*
Serrato, M. G.
- 318 *The Design Performance of Traditional and Contemporary Housing Affected by Aeolian Sand Deposits. ElQued City in Algeria*
Sherzad, M.

Design Project Abstracts

- 321 *Community Corridor Project for the Jane Addams Homes*
Kaufman, C. et al.

- 323 *Reading Hospital Child Care Center, Reading, Pennsylvania Project Description*
Clark, L. et al.
- 323 *Interdisciplinary Design Studio and Pedagogy*
Hildebrandt, H.
- 323 *The Mitteness Residence*
Krug, N.
- 323 *Looking Ahead—A House Designed for a Lifetime*
Lanemuir, J. K.

Film and Video Abstracts

- 327 *Post-Occupation Indicative Evaluation, "San Antonio De Padua" Cathedral, Mexico City*
Baza, D. R.
- 327 *Man's Response to the Power of Nature—Future Cities*
Hay, H. R.
- 327 *Post Occupancy Evaluation of a Typical Mexican Food Restaurant*
Rendon, A. G. and D. V. Aguilar

329 Author Index