



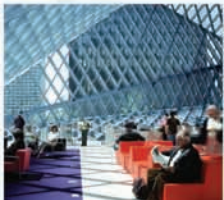
# edra43seattle

emergent placemaking

MAY 30-JUNE 2, 2012 | RENAISSANCE SEATTLE HOTEL | SEATTLE, WASHINGTON



CONFERENCE  
PROGRAM



# edra43seattle

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# edra

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Keith Diaz Moore  
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Mehul Bhatt  
Karen Franck  
Danny Mittleman  
Wiley Clifton Montague  
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# Greetings EDRA Conferees!

We are delighted to welcome you to EDRA43 in Seattle! For this year's conference, we chose the theme "Emergent Placemaking."

This theme speaks both to potentiality and continuity. It captures the value of innovation and creativity in tackling the pressing issues of our time. It advocates for the formation of new, dynamic approaches to understanding and fostering healthy communities. It accepts controversy, embraces diversity, advocates creative problem solving and crosses boundaries. It is our hope that EDRA43Seattle will be a place of exuberant transformation and connection; the sphere where together we explore emergent thought and action.

Nestled between the mountains and the Sound, the "Emerald City" is one of the nation's forerunners in urban ecological design, community stewardship and participatory processes. It is a place of compelling juxtapositions where urban growth and green design meet, where resilience and change go hand in hand, and innovative solutions for a sustainable future abound. Home to indigenous tribes and new immigrants, guerilla artists and computer start-ups, it is a place where hybrid identities and sensibilities emerge, where the nature of the public realm is interrogated at the local, regional and global scale.

While you are here we hope you can partake of the many fine offerings that the Pacific Northwest and Seattle in particular have to offer and find inspiration for your own emergent ideas about place and placemaking.

Each conference day is intentionally planned to afford a rich and compelling program that combines refereed presentations, plenary talks, exhibit poster displays, and mobile sessions in diverse areas of expertise and interests:

Our **Keynote and Plenary Program** is full of diverse and dynamic speakers engaged in cutting edge work and innovative leadership that speaks to the interests and values of EDRA and its members. Wednesday evening the conference opens with a Welcome Reception and a plenary session that situates conference delegates in place and highlights the latest issues in the Seattle Waterfront development. On Thursday, our Keynote Speaker, Denis Hayes, founder of Earth Day and CEO of the Bullitt Foundation, will address "**Urban Design to Nurture Human Potential.**" Friday's plenary talk will be given by Johnpaul Jones, FAIA, Principal-in-Charge, Jones & Jones and address "Indigenous Design Emerging Gifts." Finally, Saturday's plenary, "From the Ground Up: Strategies for Community Development and Democratic Design" will feature work by Jim Diers, Roberta Feldman and Stephen Luoni, all significant leaders in community development and design.

At this conference, we continue last year's inauguration of **Mobile Sessions**. These sessions provide excellent in situ opportunities to explore local projects and programs. This year's mobile sessions include a trip to the Bloedel Reserve and Chief Sealth's (Seattle's namesake) grave, a walking tour of Seattle downtown parks, a visit to Providence Mt. St. Vincent Continuing Care Facility, and a field tour of the Piper's Creek to examine habitat and hydrology. With such diversity, there is something for everyone!

We have also continued EDRA's commitment to strengthen the **refereeing process**. The objective of this process is to provide you with continuous improvement in conference quality and relevancy and concurrently afford a valuable and recognized professional outlet for the dissemination of scholarly work among colleagues. Authors in all submission categories were invited to align their proposals with specific content categories and with one EDRA Knowledge Network. Using such a strategy ensured that submissions were blind refereed by the most qualified EDRA members, and could be endorsed by specific network as selected by the authors. The evaluation criteria included meeting posted submission guidelines, relevance to EDRA43, soundness of approach, and originality/adding value to the field. Reviewers were also given the opportunity to offer comments to authors and the Conference Committee in addition to their evaluation. The double blind peer review assisted us by:

- guiding acceptance decisions
- offering valuable feedback for authors to improve their proposal/work
- helping to determine where and how to track a submission into content-oriented grouping
- offering a comprehensive decision-making framework to ensure quality, consistency, professionalism, and inclusivity.

We also used a systematic protocol to resolve conflicts of interest and maintain a high standard of consistency and ethics in the submission and review process.

This year, in addition to the onsite **display poster** presentation, accepted poster submission authors had option to submit a print-ready visual representation of the submission for publication in the EDRA43 Proceedings, an exciting opportunity to make this visual information accessible beyond the conference.

True to the EDRA spirit of mentoring and connecting, we encouraged graduate students to participate as authors, presenters, and volunteers. Continuing the **Student Volunteer** program affords us an opportunity to assist in defraying costs associated with student member registration fees while developing spaces for networking and leadership. We look forward to the roles those students will play in the future of EDRA.

A concerted effort has been made to offer **Continuing Education Credits** through all the professional organizations affiliated with design and planning disciplines; this is a first for EDRA!

Together we hope these efforts will make this EDRA conference a rewarding experience. This is a magical time for placemaking; as contemporary challenges mount, people's creative agencies provide them with exciting and plausible futures. EDRA has always been a catalyst for identifying critical issues, engaging creative possibilities, and anticipating profound outcomes. Both Seattle and EDRA are connected via emergent placemaking. It is our hope that EDRA43Seattle becomes a place for you to explore emergent research, synergies and ideas for place and placemaking.

Enjoy the conference!

Warmly,

Lynne C. Manzo, PhD  
EDRA43 Conference Co-chairs

Rula Awwad-Rafferty, PhD



WEDNESDAY, MAY 30, 2012

<b>7:00 AM - 7:30 PM</b>	Registration	Courtyard Ballroom Foyer
<b>8:00 AM - 5:00 PM</b>	Book Display	South/West Rooms
<b>8:30 AM - 5:30 PM</b>	Health Intensive	East Room
<b>8:30 AM - 5:30 PM</b>	Nature & Ecology Mobile Intensive	OFFSITE – Bloedel Reserve
<b>8:30 AM - 5:30 PM</b>	Graduate Student Workshop	Seneca/Columbia
<b>8:30 AM - 12:30 PM</b>	POE/Programming Intensive 1	James
<b>8:30 AM - 12:30 PM</b>	Sustainable Planning, Behavior & Design Intensive	Marion
<b>1:30 PM - 5:30 PM</b>	POE/Programming Intensive 2	James
<b>1:30 PM - 5:30 PM</b>	Communication Intensive	Marion
<b>6:00 PM - 7:30 PM</b>	Welcome Reception and Panel: "Explorations in the Seattle Waterfront: Innovations in Design"	Courtyard Ballroom

THURSDAY, MAY 31, 2012

<b>7:00 AM - 5:30 PM</b>	Registration	Courtyard Ballroom Foyer
<b>8:00 AM - 5:00 PM</b>	Book Display	South/West Rooms
<b>8:00 AM - 5:30 PM</b>	Exhibits	3rd Floor Foyer
<b>8:00 AM - 10:00 AM</b>	Cultural Aspects of Design Paper Session 2	Columbia
<b>8:00 AM - 10:00 AM</b>	Active Living By Design Paper Session 1	East Room
<b>8:00 AM - 10:00 AM</b>	Environment-Gerontology Paper Session 1	Federal
<b>8:00 AM - 10:00 AM</b>	Movement in Designed Environments Paper Session 2	James
<b>8:00 AM - 10:00 AM</b>	Interior Design Paper Session 1	Municipal
<b>8:00 AM - 10:00 AM</b>	Participation Paper Session 2	North Room
<b>8:00 AM - 10:00 AM</b>	Children, Youth & Environment Paper Session 2	Seneca
<b>8:00 AM - 10:00 AM</b>	Cultural Aspects of Design Paper Session 3	Spring
<b>8:00 AM - 10:00 AM</b>	Health Paper Session 2	Superior
<b>9:00 AM - 10:00 AM</b>	Knowledge Network Chairs Meeting	Marion
<b>10:00 AM - 10:30 AM</b>	Break	3rd Floor Foyer
<b>10:30 AM - 12:00 PM</b>	Keynote Presentation: "Urban Design to Nurture Human Potential"	Courtyard Ballroom
<b>12:00 PM - 1:15 PM</b>	Knowledge Network Lunch Meetings Communication, Cultural Aspects of Design, Health, International Housing Research, Nature & Ecology, Participation, POE/Programming	R View Lounge, 28th Floor
<b>1:30 PM - 3:00 PM</b>	POE/Programming Paper Session 1	Columbia
<b>1:30 PM - 3:00 PM</b>	Sustainable Planning, Behavior & Design Workshop 1	East Room
<b>1:30 PM - 3:00 PM</b>	Nature & Ecology Paper Session 1	Federal
<b>1:30 PM - 3:00 PM</b>	Participation Workshop 1	Marion



1:30 PM - 3:00 PM	Nature & Ecology Workshop 1	Municipal
1:30 PM - 3:00 PM	Cultural Aspects of Design Symposium 1	North Room
1:30 PM - 3:00 PM	POE/ Programming Symposium part 1	Seneca
1:30 PM - 3:00 PM	Inquiry & Research Symposium 3	Spring
1:30 PM - 3:00 PM	Invited Session: Landscape Performance Workshop	Superior
1:30 PM - 5:30 PM	Environment-Gerontology Mobile Session	OFFSITE – Mount St. Vincent Continuing Care Facility
1:30 PM - 5:30 PM	Sustainable Planning, Behavior & Design Mobile Session	OFFSITE – Walking Tour of Downtown Seattle
3:00 PM - 4:00 PM	Poster Session 1	South Room
4:00 PM - 5:30 PM	POE/Programming Paper Session 2	Columbia
4:00 PM - 5:30 PM	Sustainable Planning, Behavior & Design Paper Session 1	East Room
4:00 PM - 5:30 PM	Nature & Ecology Paper Session 3	Federal
4:00 PM - 5:30 PM	Participation Symposium 2	James
4:00 PM - 5:30 PM	Participation Workshop 2	Marion
4:00 PM - 5:30 PM	Nature & Ecology Workshop 2	Municipal
4:00 PM - 5:30 PM	POE/Programming Workshop	North Room
4:00 PM - 5:30 PM	POE/Programming Symposium part 2	Seneca
4:00 PM - 5:30 PM	Work Environments Paper Session 1	Spring
4:00 PM - 5:30 PM	Nature & Ecology Paper Session 4	Superior
FRIDAY, JUNE 1, 2012		
7:00 AM - 5:30 PM	Registration	Courtyard Ballroom Foyer
8:00 AM - 5:00 PM	Book Display	South/West Rooms
8:00 AM - 5:30 PM	Exhibits	3rd Floor Foyer
8:00 AM - 10:00 AM	Interior Design Paper Session 2	Columbia
8:00 AM - 10:00 AM	Children, Youth & Environment Paper Session 1	East Room
8:00 AM - 10:00 AM	Participation Paper Session 1	Federal
8:00 AM - 10:00 AM	Movement In Designed Environments Paper Session 1	James
8:00 AM - 10:00 AM	Sustainable Planning, Behavior & Design Paper Session 3	Marion
8:00 AM - 10:00 AM	Active Living By Design Paper Session 2	Municipal
8:00 AM - 10:00 AM	Cultural Aspects of Design Paper Session 1	North Room
8:00 AM - 10:00 AM	Health Paper Session 1	Seneca
8:00 AM - 9:00 AM	Participation Paper Session 3	Superior
8:00 AM - 9:00 AM	Placemaking Paper Session 1	Spring
9:00 AM - 10:00 AM	Participation Working Group 1	Superior
9:00 AM - 10:00 AM	Participation Working Group 2	Spring
10:00 AM - 10:30 AM	Break	3rd Floor Foyer

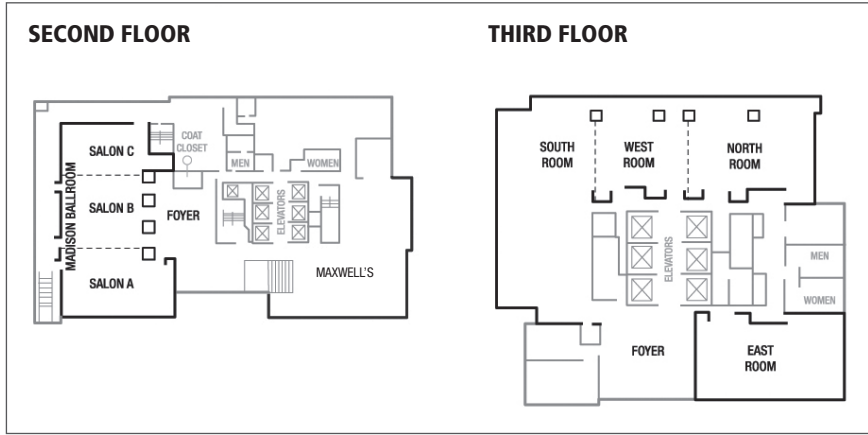
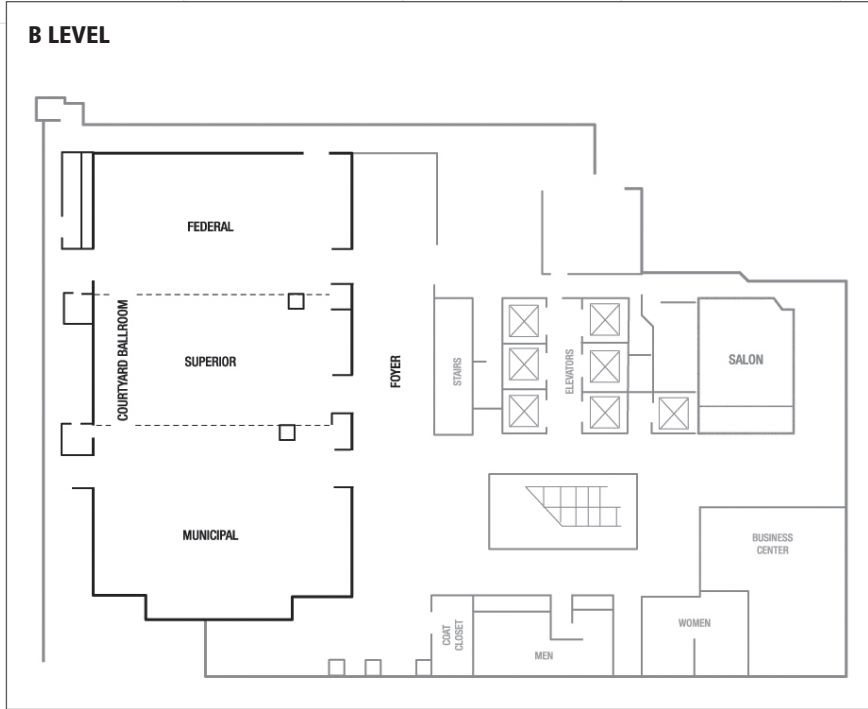
<b>10:30 AM - 12:00 PM</b>	Plenary Session: "Indigenous Design Emerging Gifts"	Courtyard Ballroom
<b>12:00 PM - 1:15 PM</b>	Knowledge Network Lunch Meetings Active Living By Design, Building Process Alliance, Children, Youth & Environment, Cyberspace & Digital Environments, Environment-Gerontology, Environmental & Architectural Phenomenology, Interior Design	R View Lounge, 28th Floor
<b>1:30 PM - 3:00 PM</b>	Active Living By Design Symposium	Columbia
<b>1:30 PM - 3:00 PM</b>	Inquiry & Research Symposium 1	East Room
<b>1:30 PM - 3:00 PM</b>	Residential Environments Paper Session 1	Federal
<b>1:30 PM - 3:00 PM</b>	Work Environments Paper Session 2	James
<b>1:30 PM - 3:00 PM</b>	Participation Symposium 1	Municipal
<b>1:30 PM - 3:00 PM</b>	Service to EDRA Workshop 1	North Room
<b>1:30 PM - 3:00 PM</b>	Health Paper Session 3	Seneca
<b>1:30 PM - 3:00 PM</b>	Cyberspace & Digital Environments Workshop	Spring
<b>1:30 PM - 3:00 PM</b>	Residential Environments Symposium	Superior
<b>1:30 PM - 5:30 PM</b>	Sustainable Planning, Behavior & Design Mobile Session	OFFSITE – Walking Tour of Downtown Seattle
<b>3:00 PM - 4:00 PM</b>	Poster Session 2	South Room
<b>4:00 PM - 5:30 PM</b>	Active Living By Design Paper Session 3	Columbia
<b>4:00 PM - 5:30 PM</b>	Inquiry & Research Symposium 2	East Room
<b>4:00 PM - 5:30 PM</b>	Residential Environments Paper Session 2	Federal
<b>4:00 PM - 5:30 PM</b>	Work Environments Paper Session 3	James
<b>4:00 PM - 5:30 PM</b>	Environment-Gerontology Paper Session 3	Marion
<b>4:00 PM - 5:30 PM</b>	Service to EDRA Workshop 2	North Room
<b>4:00 PM - 5:30 PM</b>	Residential Environments Workshop	Seneca
<b>4:00 PM - 5:30 PM</b>	Work Environments Paper Session 4	Spring
<b>4:00 PM - 5:30 PM</b>	Residential Environments Paper Session 3	Superior
<b>5:45 PM - 6:45 PM</b>	EDRA Members Meeting	Courtyard Ballroom

**SATURDAY, JUNE 02, 2012**

<b>7:30 AM - 5:00 PM</b>	Registration	Courtyard Ballroom Foyer
<b>8:00 AM - 4:00 PM</b>	Book Display	South Room
<b>8:00 AM - 4:00 PM</b>	Exhibits	3rd Floor Foyer
<b>8:00 AM - 9:00 AM</b>	Sustainable Planning, Behavior & Design Paper Session 2	Columbia
<b>8:00 AM - 9:00 AM</b>	School & Educational Environments Working Group	East Room
<b>8:00 AM - 10:00 AM</b>	Interior Design Paper Session 4	Federal
<b>8:00 AM - 9:00 AM</b>	Nature & Ecology Working Group	James
<b>8:00 AM - 10:00 AM</b>	Nature & Ecology Paper Session 5	Marion
<b>8:00 AM - 9:00 AM</b>	Work Environments Working Group	Municipal
<b>8:00 AM - 9:00 AM</b>	Sustainable Planning, Behavior & Design Working Group	North Room

<b>8:00 AM - 10:00 AM</b>	Cultural Aspects of Design Paper Session 4	Seneca
<b>8:00 AM - 10:00 AM</b>	Cyberspace & Digital Environments Paper Session	Spring
<b>8:00 AM - 10:00 AM</b>	Interior Design Paper Session 3	Superior
<b>9:00 AM - 10:00 AM</b>	Student Network Meeting	Columbia
<b>9:00 AM - 10:00 AM</b>	Communication Working Group	East Room
<b>9:00 AM - 10:00 AM</b>	Communication Paper Session	James
<b>9:00 AM - 10:00 AM</b>	Participation Paper Session 4	Municipal
<b>9:00 AM - 10:00 AM</b>	Movement in Designed Environments Paper Session 3	North Room
<b>10:00 AM - 10:30 AM</b>	Break	3rd Floor Foyer
<b>10:30 AM - 12:00 PM</b>	Plenary Session: "From the Ground Up: Strategies for Community Development and Democratic Design"	Courtyard Ballroom
<b>12:00 PM - 1:15 PM</b>	Knowledge Network Lunch Meetings Cities & Globalization, Historic Preservation, International Connections, Movement in Designed Environments, Residential Environments, Sustainable Planning, Behavior & Design, Work Environments	R View Lounge, 28th Floor
<b>1:30 PM - 3:00 PM</b>	Children, Youth & Environment Paper Session 4	Columbia
<b>1:30 PM - 3:00 PM</b>	Historic Preservation Paper Session 1	East Room
<b>1:30 PM - 3:00 PM</b>	Service to EDRA Workshop 3	Federal
<b>1:30 PM - 3:00 PM</b>	Cities & Globalization Paper Session 1	James
<b>1:30 PM - 3:00 PM</b>	Cities & Globalization Paper Session 3	Marion
<b>1:30 PM - 3:00 PM</b>	Cultural Aspects of Design Symposium 2	Municipal
<b>1:30 PM - 3:00 PM</b>	Movement in Designed Environments Paper Session 4	North Room
<b>1:30 PM - 3:00 PM</b>	Children, Youth & Environment Paper Session 3	Seneca
<b>1:30 PM - 3:00 PM</b>	Cities & Globalization Paper Session 2	Spring
<b>1:30 PM - 3:00 PM</b>	Cultural Aspects of Design Symposium 3	Superior
<b>1:30 PM - 5:30 PM</b>	Nature & Ecology Mobile Session	OFFSITE – Piper's Creek
<b>3:00 PM - 4:00 PM</b>	Poster Session 3	South Room
<b>4:00 PM - 5:30 PM</b>	School & Educational Environments Paper Session	Columbia
<b>4:00 PM - 5:30 PM</b>	Historic Preservation Paper Session 2	East Room
<b>4:00 PM - 5:30 PM</b>	Building Process Alliance Symposium	Federal
<b>4:00 PM - 5:30 PM</b>	Cities & Globalization Paper Session 4	James
<b>4:00 PM - 5:30 PM</b>	Cities & Globalization Paper Session 5	Marion
<b>4:00 PM - 5:30 PM</b>	Cultural Aspects of Design Symposium 4	Municipal
<b>4:00 PM - 5:30 PM</b>	Historic Preservation Workshop	North Room
<b>4:00 PM - 5:30 PM</b>	Children, Youth & Environment Paper Session 5	Seneca
<b>4:00 PM - 5:30 PM</b>	Movement in Designed Environments Symposium	Spring
<b>4:00 PM - 5:30 PM</b>	Cultural Aspects of Design Symposium 5	Superior
<b>6:00 PM - 7:00 PM</b>	14th Annual Great Places Awards Reception	Maxwell's
<b>7:00 PM - 10:00 PM</b>	EDRA Awards Banquet	Madison Ballroom

# Floor Plans





# Registration

edra43seattle Registration is located on Level B of the Renaissance Seattle. Please visit the desk to pick up your registration packet, including tickets purchased for Mobile Sessions and reception drink coupons. Registration will be open during the following hours:

<b>Tuesday, May 29</b>	<b>5:30pm-7:30pm</b>
<b>Wednesday, May 30</b>	<b>7:00am-7:30pm</b>
<b>Thursday, May 31</b>	<b>7:00am-5:30pm</b>
<b>Friday, June 1</b>	<b>7:00am-5:30pm</b>
<b>Saturday, June 2</b>	<b>7:30am-5:00pm</b>

## BADGES/TICKETS

You must wear or have on your person your conference badge throughout the conference to be admitted into sessions and receptions. Additionally purchased items such as Mobile Sessions tickets, extra banquet seating and drink tickets for special events will be placed in your badge holder. Please return your badge cover at the close of the conference to the registration desk for recycling.

## MESSAGE BOARDS

A message board is located next to the registration area for schedule changes, announcements, attendee messages and general information. Information tables are also available where you can leave program or institutional information and announcements, as well as presentation handouts.

## EDRA VOLUNTEER OPPORTUNITIES

A volunteer application with a number of different opportunities for engagement within EDRA can be found in your registration packet. Please complete and return to the registration desk or to any of the student volunteers.

## INTERACTIVE SESSIONS (POSTERS)

EDRA43Seattle Display Sessions are located in the South Room on the 3rd floor. While the formal Display session runs from 3:00pm to 4:00pm each day, presenters are encouraged to hang their posters in the numbered space for their particular poster (numbers correspond with the listings found in this program) as early as 8:00am on the day of their presentation. Presenters are expected to be available to answer questions regarding their displays during the hour long session. Each poster must be removed by 6:00pm.

## EDRA BOOK DISPLAY

The Architecture Resource Center at Andrews University houses EDRA's extensive collection

of volumes related to environmental design and environment behavior research. Each year, Kathleen Demsky and her assistants bring this vast collection, including many EDRA authored works, for display. You are invited to browse these titles and pick up order forms, but please leave these texts so that they can be returned to the library collection at Andrews University. The book display is open Wednesday, Thursday, Friday and Saturday from 8:00am-5:00pm. Kathleen is onsite to answer questions you have about ordering copies of these texts from the publishers, in addition to questions about the EDRA Archives at Andrews.

## STUDENT ATTENDEES

EDRA43Seattle is thrilled to welcome students from all around the world. We invite you to join the EDRA Student Network for a brief discussion that focuses on the EDRA Student Network and ways in which EDRA can support and encourage students in environmental design. We will also discuss how you can get the most out of your EDRA conference experience this year. This year's meeting is scheduled for Saturday at 9:00am-10:00am in the Columbia room. For more information, contact April Spivack, EDRA's Student Representative at [studentrep@edra.org](mailto:studentrep@edra.org).

## AMERICAN WITH DISABILITIES ACT STATEMENT

EDRA wishes to take those steps required to ensure no individual with a disability is excluded, denied services, segregated or otherwise treated differently than other individuals because of the absence of auxiliary aids or services. If you need any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to participate in the conference, please communicate your needs to a member of the EDRA staff.

## Newcomers Guide to the EDRA Conference

The purpose of this guide is to help to acquaint you — the first or second time attendee — to the EDRA conference so you can make the most of it.

### HOW IMPORTANT IS IT FOR ME TO GO TO THE OPENING RECEPTION EVEN IF I DON'T KNOW ANYONE THERE?

The reception may seem a bit overwhelming if you don't know anyone there. But do, at the very least, try to find some other people also at their first EDRA conference and compare notes. You may also find a few people to share Wednesday evening dinner or drinks with. You may well see badges with recognizable names at the reception. Feel free to go up and introduce yourself. EDRA conference-goers are friendly and will welcome talking to you.

### WHAT ARE KNOWLEDGE NETWORK LUNCH MEETINGS AND SHOULD I GO?

EDRA Knowledge Networks are collections of people with very similar research and practice interests who make it a point to get together every year to discuss their shared interests — and meet who is new in their own field. This is the best place to meet people who share your interests in an informal setting that encourages conversation. The Knowledge Network lunch meeting is a business meeting where you can become part of the core of the community by volunteering to take on a role with the network. This is the best place to go from being an outsider to an insider.

### WHAT IS THE BOOK DISPLAY?

Kathleen Demsky from the EDRA Archives at Andrews University coordinates a wonderful display of hundreds of books of interest to EDRA researchers and practitioners. It is well worth blocking an hour early in the conference to browse through the display on the 3rd floor of the conference hotel. Kathleen will have order forms for most all of these books, many of them offered at a conference discount. Kathleen is also an excellent resource for EDRA related text, journals, and library materials.

### I AM PRESENTING A PAPER. WHAT SHOULD I KNOW ABOUT THIS?

EDRA is a fairly friendly conference, so you should anticipate a friendly and helpful audience. If you ask people to provide feedback and suggestions after your talk, you will likely get some. Your paper session will have a Session Chair who will manage the flow. Allow 25 minutes maximum for presentation and five minutes for Q&A.

# Special Sessions

EDRA43Seattle keynote, plenary and invited sessions cover a range of issues in environmental design and are not to be missed.

## WEDNESDAY, MAY 30: WELCOME RECEPTION AND PANEL DISCUSSION

COURTYARD BALLROOM, 6:00PM-7:30PM

### “Exploration in the Seattle Waterfront: Innovations in Design”

Using Seattle’s new waterfront as an intriguing and innovative case study, Marshall Foster, Central Waterfront Planning Coordinator, City of Seattle Department of Planning and Development, and Cary Moon, Director and Co-founder, People’s Waterfront Coalition, will discuss how designers can play a useful role as advocates for shaping an opportunity. How can design professionals lay the early groundwork to help define the scope, principles, and goals for a new civic space? How can advocacy and civic debate build public appetite and ultimately political will for holistic, sustainable place-making?



Marshall Foster is the City Planning Director in Seattle’s Department of Planning and Development. Marshall previously served as the city’s Central Waterfront Coordinator, and managed a range of planning and real estate projects on behalf of the City. Previously he worked at Mithun, a Seattle-based design firm, with a focus on integrated sustainable neighborhood planning and design. Before coming to Seattle in 2006, Foster served as Director of City Greening Initiatives and oversaw center city planning for the City of San Francisco, CA. He holds a Master’s Degree in City and Regional Planning from the University of California, Berkeley.



Cary Moon is director and co-founder of People’s Waterfront Coalition (PWC), an advocacy organization working since 2005 to achieve a great civic space on Seattle’s downtown waterfront. The PWC and Moon have won many diverse awards for helping guide the burgeoning new waterfront, from runner-up in *Metropolis* magazine’s “Next Generation: Big Idea” competition to Real Change’s Change Agent of the Year. Cary has a MLA and Urban Design certificate from University of Pennsylvania, and a former career as a systems engineer.

## THURSDAY, MAY 31: KEYNOTE PRESENTATION

COURTYARD BALLROOM, 10:30AM-12:00PM

### “Urban Design to Nurture Human Potential” by Denis Hayes, CEO, Bullitt Foundation

Particular species flourish in specific ecosystems. This is true, as well, for *Homo sapiens*. Certain places — Florence in the Renaissance; 18th century Edinburgh; Silicon Valley today — have given rise to transformational creativity by large numbers of people that expanded the human prospect. The 70,000 inhabitants of Athens under Pericles did not include a disproportionate percentage of geniuses; it merely wasted the talents of fewer of them. Why are these the exceptions rather than the rule? Only a minority of the world’s current population has access to the same health, education, and general encouragement that were afforded the average citizen of ancient Athens. The air

pollution now common in many large urban areas, especially in rapidly industrializing nations, not only produces lethal long-term lung disorders but also permanent neurological damage. Water pollution is an even larger global threat, especially to children. Can humankind embrace a more enlightened commitment to human ecology? Do we know how to design and create communities in which human potential, in harmony with nature, can be fully realized?



Denis Hayes is CEO of the Seattle-based Bullitt Foundation. At the Bullitt Foundation, Denis leads an effort to mold the American Pacific Northwest into a global model of sustainability. To walk its talk, the Foundation is currently building the six-story, zero-net energy, zero-net carbon, zero-net water, zero toxics Bullitt Center, with composting toilets and no parking garage. Denis — who at various times has been a national laboratory director, attorney, Stanford professor, visiting fellow, and author — is perhaps still best known as the principal organizer of the first Earth Day when he was 25.

## THURSDAY, MAY 31: INVITED SESSION

SUPERIOR, 1:30PM-3:00PM

### “Landscape Performance: Documenting the Benefits of Sustainable Landscape Solutions” by Barbara Deutsch, ASLA, Executive Director, Landscape Architecture Foundation, and Linda Ashby, ASLA, Programs Manager, Landscape Architecture Foundation

Quantifying environmental, social and economic benefits of sustainable landscape solutions is essential to making informed and defensible decisions regarding our landscapes. In today’s climate of downsizing, budget reductions and program cuts, providing proof of performance with quantifiable and objective data is important. Decision-makers who impact policies, programs, investments, and land development need this information, but how is landscape architecture responding?

In 2010, the Landscape Architecture Foundation (LAF) launched a new research initiative, the Landscape Performance Series (LPS), to document the contributions that landscape solutions make toward achieving sustainability. The LPS is an online, interactive set of resources that shows the value of sustainable design and provides tools for quantifying benefits and making the case for sustainable landscape solutions. The LPS is a hub for information and innovations from research, professional practice and student work in the form of Case Study Briefs, Benefits Toolkit, Fast Fact Library, and Scholarly Works.

In 2011, LAF launched Case Study Investigation (CSI), a research program that funds and pairs student-faculty research teams with leading practitioners to evaluate performance through rigorously applied metrics and methods, and develop LPS Case Study Briefs. This presentation concludes with an examination of broader implications for design education.

**FRIDAY, JUNE 1: PLENARY PRESENTATION**

COURTYARD BALLROOM, 10:30AM-12:00PM

**"Indigenous Design Emerging Gifts" by Johnpaul Jones, FAIA, Principal-in-Charge, Jones & Jones**

Indigenous design requires a sort of pilgrimage to Native Cultural environments thereby becoming influenced and inspired by the rich cultural aspects of Indigenous ways, beliefs, and traditions. It should be a proactive personal seeking of Indigenous heritage as a way to gain an awareness of the Native environment. Once one has experienced this uniqueness of place and built environment, Indigenous placemaking will evoke connections to the Natural World, the Animal World, the Spirit World, and the Human World, which are the Emerging Gifts. The sense of place is paramount in all Indigenous Design; without it we do not exist.



Johnpaul Jones has a distinguished 40-year career as an architect and founding partner of Jones & Jones. Earning his Bachelor of Architecture from the University of Oregon in 1967, his design philosophy emerged from his Choctaw/Cherokee ancestors, which connects him to the natural world, animal world, spirit world, and human world. Mr. Jones has led the design of numerous cultural centers and museums with tribes spanning the North American continent, culminating in his 12-year engagement as overall lead design consultant for the Smithsonian's National Museum of the American Indian on the Mall in Washington, D.C.

**SATURDAY, JUNE 2: PLENARY PRESENTATION**

COURTYARD BALLROOM, 10:30AM-12:00PM

**"From the Ground Up: Strategies for Community Development and Democratic Design"**

Effective participation of the design professions in community development requires professions devoted to transformational engagement with public sector institutions that shape the built environment. Examining the Neighborhood Matching Fund in Seattle and Chicago's Plan for Transportation, Jim Diers, author of *Neighbor Power: Building Community the Seattle Way*, Roberta Feldman, director emeritus of the City Design Center at the University of Illinois at Chicago, and Stephen Luoni, director of the University of Arkansas Community Design Center discuss tools and strategies necessary for designers to collectively become a greater resource.



Jim Diers has a passion for getting people engaged with their communities and in the decisions that affect their lives. Since moving to Seattle in 1976, he put that passion to work for an Alinsky-style neighborhood organization, a community development corporation, a local foundation, and the nation's largest health care cooperative. He was appointed the first director of Seattle's Department of Neighborhoods in 1988 where he served under three mayors over the next 14 years. Jim now shares the lessons from that work in his courses at the University of Washington; in international consulting; and in his book, *Neighbor Power: Building Community the Seattle Way*.



Roberta Feldman has been engaged in community design and research for more than 30 years. Embracing participatory design and action research practices, she has sustained working relationships with community leaders in over 50 community organizations and development corporations in Chicago's low income neighborhoods to address their visions for shaping, revitalizing and preserving their designed environments.



Stephen Luoni is director of the University of Arkansas Community Design Center (UACDC) where he is the Steven L. Anderson Chair in Architecture and Urban Studies. His design and research have won more than 50 design awards, including Progressive Architecture Awards, American Institute of Architects Honors Awards, a Charter Award from the Congress for the New Urbanism, and American Society of Landscape Architecture Awards, all for planning and urban design. His work at UACDC specializes in interdisciplinary public works projects combining landscape, urban and architectural design.

# Special Events

## WELCOME RECEPTION AND PANEL DISCUSSION

**Wednesday, May 30, 6:00pm**

### Courtyard Ballroom

Kick off EDRA43Seattle in style with drinks, hors d'oeuvres and a panel discussion exploring Seattle's waterfront.

## EDRA MEMBERS MEETING

**Friday, June 1, 5:45pm**

### Courtyard Ballroom

Members and non-members alike are welcome to attend this meeting highlighting EDRA's recent achievements, progress and changes. Meet and ask questions of the EDRA Board of Directors, and learn ways to participate in EDRA to get the most out of your membership.

## 14TH ANNUAL GREAT PLACES AWARDS

*Sponsored by The University of Washington College of Built Environments*

**Saturday, June 2, 6:00pm**

### 2nd Floor – Maxwell's

Celebrate professional and scholarly excellence in environmental design at EDRA's 14th Annual Great Places Awards Reception, when we recognize the 2012 awards for Place Design, Place Research, Place

Planning and Book. Hear first hand from the best and brightest minds in architecture, landscape architecture, planning and interior design as we honor Great Places that exemplify the concern for human factors in their design. The coveted Great Places Award is the pinnacle of achievement in built environments.

Individuals who are registered for EDRA43Seattle receive one complimentary ticket to this event.

EDRA appreciates the support of *Places Journal* as the 2012 Great Places Award Media Partner.

## EDRA AWARDS BANQUET

**Saturday, June 2, 7:00pm-10:00pm**

### Madison Ballroom

Commemorate the environment and behavior professionals who have risen to the top in the 2011-2012 year, as we recognize the Great Places Awards winners and present the EDRA Awards, including the Career & Achievement Awards, the EDRA43Seattle Best Paper and Poster Award. One banquet ticket is included with a full conference registration. Additional tickets can be purchased for \$90 at the EDRA registration desk.

## EDRA KNOWLEDGE NETWORK MEETINGS

**Thursday, May 31, 9:00am-10:00am**

### Marion

Knowledge Network Chairs Meeting

Each Knowledge Network should ensure that at least one Chair or Chair-designate attends this meeting.

**Thursday, May 31, 12:00pm-1:15pm**

### R View – 28th Floor

Communication, Cultural Aspects of Design, Health, International Housing Research, Nature & Ecology, Participation, POE/Programming

**Friday, June 1, 12:00pm-1:15pm**

### R View – 28th Floor

Active Living By Design, Building Process Alliance, Children, Youth & Environment, Cyberspace & Digital Environments, Environment-Gerontology, Environmental & Architectural Phenomenology, Interior Design

**Saturday, June 2, 9:00am-10:00am**

### Columbia

#### Student Network

This Knowledge Network meeting is open to all students attending EDRA43Seattle. Meeting discussion will include ways in which EDRA can support and encourage students in environmental design, as well as a discussion of how students can get the most out of their EDRA Conference experience this year.

**Saturday, June 2, 12:00pm-1:30pm**

### R View – 28th Floor

Cities & Globalization, Communication, Historic Preservation, International Connections, Movement in Designed Environments, Residential Environments, Sustainable Planning, Behavior & Design, Work Environments





# Continuing Education Opportunities

EDRA IS PLEASED TO BE AN APPROVED PROVIDER OF THE FOLLOWING CONTINUING EDUCATION SYSTEMS:



Sessions at EDRA43Seattle that have been approved for continuing education credits are noted in the schedule found on pages 14-27 of this program, as well as indicated on the signage outside each session itself. Each awarding organization has its own individual requirements, which are listed below. Every approved session will be staffed with a designated continuing education monitor, who will have copies of necessary paperwork at the back of each room. Samples of the continuing education paperwork have been included in your registration packet.

EDRA will submit all necessary attendance records and forms, but it is the responsibility of the individual who is seeking credit to verify credit has been received and accounted for with the awarding organization. Individuals seeking credits from APA and IDCEC will need to submit additional necessary paperwork in order to receive credit. If you are applying for credits, please read this information carefully.

## AIA/CES Learning Unit (AIA), Health/Safety/Welfare Learning Unit (AIA HSW), and Sustainable Design Learning Unit (AIA SD)

- The designated continuing education representative will send around an Attendance Record form. Your name and information must be on this form in order to receive credit.
- Every participant desiring AIA LU credits must fill out and return a course evaluation form directly after each session in which they participated. Participants may sign in to their AIA membership account and fill out a confidential online course evaluation form if they so desire.
- Once the session and evaluation forms are complete, the continuing education representative will hand the participant a certificate of completion. This certificate will contain all of the necessary information except for the participant's name. The participant must fill out the name portion of the certificate prior to leaving the session.
- One contact hour (i.e. a one hour session) equals one Learning Unit (LU). Approved hours are indicated on the certificate of completion.

## Landscape Architecture Continuing Education System Professional Development Hours and Continuing Education Units (ASLA and ASLA HSW)

- The designated continuing education representative will send around an Attendance Record form. Your name and information must be on this form in order to receive credit.
- Every participant desiring LA CES credits must fill out and return a course evaluation form directly after each session in which they participated.
- Once the session and evaluation forms are complete, the continuing education representative will hand the participant a certificate of completion. This certificate will contain all of the necessary information except for the participant's name. The participant must fill out the name portion of the certificate prior to leaving the session.

- One contact hour (i.e. a one hour session) equals one Professional Development Hour (PDH); one contact hour equals 1/10th of one Continuing Education Unit (CEU). Approved hours are indicated on the certificate of completion.

## APA Certification Maintenance Hours (APA)

- The designated continuing education representative will send around an Attendance Record form. Your name and information must be on this form in order to receive credit.
- Every participant desiring APA CM credits must fill out and return a course evaluation form directly after each session in which they participated. Participants may sign in to their APA membership account and fill out a confidential online course evaluation form if they so desire.
- Once the session and evaluation forms are complete, the continuing education representative will hand the participant a certificate of completion. This certificate will contain all of the necessary information except for the participant's name. The participant must fill out the name portion of the certificate prior to leaving the session.
- One contact hour (i.e. a one hour session) equals one Certification Maintenance Hour (CM). Approved hours are indicated on the certificate of completion.
- Attendees must register the CM credits in their individual event log in order to receive credit. Instructions on how to do this will be included in your registration packet.

## IDCEC Continuing Education Units (IDCEC)

All sessions at EDRA43 have been approved by IDCEC, therefore no individual listings will appear on pages 14-27.

- The designated continuing education representative will send around an Attendance Record form. Your name and information must be on this form in order to receive credit.
- Every participant desiring IDCEC credits must fill out and return a course evaluation form directly after each session in which they participated.
- Once the session and evaluation forms are complete, the continuing education representative will hand the participant a certificate of completion. This certificate will contain all of the necessary information except for the participant's name. The participant must fill out the name portion of the certificate prior to leaving the session.
- One contact hour (i.e. a one hour session) equals 1/10th of one Continuing Education Unit (CEU). Approved hours are indicated on the certificate of completion.
- Attendees must be registered with NCIDQ Continuing Education registry and must mail or fax in a copy of their certificate of completion and the NCIDQ CE Registry Participant Form with payment to NCIDQ in order to receive credits.



# Mobile Sessions

EDRA43Seattle is pleased to offer Mobile Sessions with *in situ* continuing education sessions every day of the conference that highlight Seattle's culture and history. Each session has a maximum capacity, so certain sessions may not be available.

**WEDNESDAY, MAY 30**

**8:30AM-5:30PM**

## **Experiencing the Cultural and Natural History of the Pacific Northwest: The Bloedel Reserve and Chief Sealth's Grave**

The Bloedel Reserve, a 150-acre estate on Bainbridge Island, is internationally known for the landscape design of its garden/landscape spaces in its Pacific Northwest native forest setting. No place better exemplifies the character of the Puget Sound landscape and how eastern and western design traditions have adapted themselves to fit into, and make, this distinctive place. The Reserve's mission is "to provide a tranquil and refreshing experience of nature." Its guiding philosophy of "experiencing nature" was developed by its founder Prentice Bloedel who was influenced by the work of Jay Appleton, Charles Lewis and Rachel and Stephen Kaplan. For individuals interested in human responses to nature, landscape, and place-making, a visit to Seattle that does not include the Bloedel Reserve is unthinkable.

The Native American Suquamish Tribe's reservation is a short distance from the Bloedel Reserve. The grave of Chief Sealth, the Suquamish Chief after whom Seattle is named, is located in its churchyard. For those interested in the socio-cultural and historical roots of the city a visit to Chief Sealth's grave is a thought provoking and profoundly moving experience.

While at the Reserve, participants will begin with a 30-45 minute introductory walk to orient them to the Reserve's landscapes while leaving time for participants to explore the Reserve individually or in small groups, as Mr. Bloedel intended its nature to be experienced. The facilitator of this session, and Bloedel Reserve docents, will be available for participants wishing a more extended guided tour in lieu of individual exploration time.

*Please note: registration fees include: ferry crossing, shuttle service, admission to the Reserve, and a box lunch.*

**THURSDAY, MAY 31**

**1:30PM-5:30PM**

## **Learning about Places from the Past: A Visit to Providence Mount St. Vincent Continuing Care Facility**

It has systematically been found in E-B research and literature that residents in skilled nursing and long term care (LTC) who feel their environment is responsive to their efforts, choices, and actions tend to enjoy better health than older adults who feel that they do not have control in their lives. Yet the relationship between life in long term care and resident well-being is a complex one. While the need to be moved from home into LTC may be necessary for both health and safety reasons, this move can lead to a loss of connections with family, friends and important grounding routines of home.

Led by the Environment-Gerontology Knowledge Network, this mobile session will visit Providence Mount St. Vincent Continuing Care Facility, located in West Seattle, about a 10-minute ride from the EDRA43 hotel. Providence Mount St. Vincent is one of the first skilled nursing facilities in the U.S. to focus on how the environment and person-centered care can impact LTC resident outcomes. The 195 resident skilled nursing center has neighborhoods and clusters of private and shared rooms for about 20 residents each. Merely by the implied structure of a residentially scaled shared living setting with a living room, dining room and kitchen, individuals have opportunities to create reciprocal relationships and associations that are similar to the concept of family ties. These ties are implicit in the formation of attachment to place, as well as a sense of identity. In addition, by living in small group settings, there are opportunities to reconnect with former home roles and tasks, (i.e., cooking, cleaning, socializing in the kitchen), which again can create the foundation for autonomy and validation.

**THURSDAY, MAY 31**

**1:30PM-5:30PM**

**FRIDAY, JUNE 1**

**1:30PM-5:30PM**

## **A Walking Tour Through Downtown Seattle's Past and Future**

This mobile session will visit three of Seattle's iconic downtown open spaces: Freeway Park, Westlake Park, and Seattle Art Museum's Olympic Sculpture Park. Freeway Park's first phase, completed by Lawrence Halprin in 1976 and recently restored, is a classic example of his work. Subsequent phases of the park and the Washington Convention and Trade center will lead to Westlake Park and mall with its distinctive "basket-weave" paving pattern. The session will continue through Belltown, an evolving "upscale" residential and commercial section of downtown, located on the "regraded" Denny Hill.

Participants will visit art and storm-water facilities that are part of the "growing Vine Street" installations. The session will turn back toward downtown at Seattle Art Museum's very successful Olympic Sculpture Park, following its zig-zag path over roads and railroad tracks, while



"taking in" panoramic views of the city, Mt. Rainier, and the incomparable Olympic Mountains and Puget Sound, to the waterfront currently being designed by Field Operations in conjunction with the reconstruction of the Alaskan Way Viaduct. Participants' interests, time and weather, will determine whether the tour takes the Hillclimb steps to Pike Place Market or the Harbor Steps to Seattle Art Museum and the Garden of Remembrance at Benaroya Hall before depositing participants, footsore but satiated, at the hotel. The tour will provide innumerable opportunities for weary participants to live the Seattle lifestyle by defecting to coffee shops en route, such as the universe's first "Starbucks", or to find a Metro bus back to downtown Seattle. The session's goal is to provide participants with a taste of "emergent placemaking" by examining the design evolution of Seattle downtown open spaces over the last 40+ years and to suggest how this development reflects and responds to the geological, ecological, social, and cultural evolution of the city over this period.

**SATURDAY, JUNE 2**

**1:30PM-5:30PM**

**A Watershed Approach: Improving the Hydrology and Habitat of Pipers Creek**

Urbanization has many detrimental effects on local streams and rivers, including dramatic changes in storm flows and sediment transport, degraded water quality, decreased habitat complexity, and the loss of riparian vegetation. Despite these rapid changes, many of Seattle's urban streams still support fish and other aquatic biota. Over the past fifteen years, Seattle Public Utilities has infused millions of dollars into stormwater drainage control, water quality improvement, and habitat restoration projects for the purpose of urban creek rehabilitation. This mobile session will tour one of these areas; the Pipers Creek watershed.

Located in northwest Seattle, Pipers Creek and the area it drains has been the focus of extensive research and design activities intended to reduce the hydrologic impacts of urbanization on receiving waterbodies and improve habitat conditions for fish and wildlife. Two stops within this session will be in the upper watershed where low impact design strategies have been employed at the street and neighborhood scale to reduce runoff. The final two stops will be along the stream channel where work has been completed to improve the instream and riparian habitat of Pipers Creek for salmonids and where the flow of Pipers Creek meets the Puget Sound.

EAST ROOM  
8:30AM-5:30PM

EDAC/AIA/AIA HSW

## HEALTH INTENSIVE

### Development of Tools for Healthcare Environments Research and Practice

*Upali Nanda, Anjali Joseph, Saif Haq, Hyun-Bo Seo, William Kearns, Habib Chaudhury, Debajyoti Pati, Hui Cai, Mahbub Rashid, Tracy Michael, Erin Peavey, Zhe Wang, YoungSeon Choi, Heather Cooke*

**Sponsored by: HOK**

A growing body of research has shown that the design of the healthcare physical environment contributes to a safe and healing environment for patients, a nurturing positive environment for staff, as well as helps achieve organizational and business objectives. An evidence-based design process involves using the best available research to inform design decisions and then conducting research to evaluate the effectiveness of design interventions. While this field has been growing over the last decade, current challenges to growth and development include the lack of standard metrics and measurement tools for measuring environmental as well as outcome variables. The purpose of this intensive session is to bring together a community of researchers who have been involved in developing various tools to measure both environmental variables as well as outcomes. While the focus of this session is on healthcare environments, tools and metrics developed in other types of settings that may be relevant in healthcare environments research will also be discussed.

JAMES  
8:30AM-12:30PM

AIA/ASLA/APA

## POE/PROGRAMMING INTENSIVE 1

### Fundamental Parallels Between Designing and Using Built Environments: Conditions Ensuring Effective Activity – Performance in Everyday Built Environments

*Janice Bissell, Shelia Gobes-Ryan, Sally Augustin, Douglas Amedeo, Molly Cannon*

This symposium continues previous presentations promoting the conceptualization of the environmental design process. Its current focus is on those fundamental conditions which should prevail 'equally' in the design of an environment, in its everyday use, and in its general understanding to ensure that environment's functionality and/or its workability. The symposium's discussion attempts to demonstrate the logical and empirical plausibility of the following assertion: In order for an everyday built environment to be effectively useful for the performance of ordinary activity, its social-spatial core-relationship must be the conceptual basis for both the designer's and user's environmental schema and must serve, as well, as a rational criterion rule for environmental categorization. With regard to the social-spatial core relationship, it is sufficient to point out the obvious: spatial conditions and social content are not one and the same! By themselves, they are distinct and bear no equivalency to one another. It is only when they are intricately and systematically entangled with one another through environmental design strategies that meaning emerges highly relevant to human activity and experiencing. If it were at least theoretically possible to extricate either from the other through disentanglement, that particular meaning likely becomes perceptually extinguished. Space, of course, is a fundamental dimension of existence and is about the physical form of external circumstances. It has no inherent

meaning other than that reflected in its lawful role as a dimension. The conditions we speak of refer to what emerges when space is used in various ways to reflect a design scheme for the development of a particular environment; and this emergence comes about when social content is intentionally engaged with space by designers to reflect environmental settings appropriate for certain social-cultural situations. Content, then, relates to practices and traditions involved in interactions or exchanges typical of a social-cultural grouping. In that sense, social content is likely to refer to such matters as traditions, rules, norms, roles, expectations, status, and the like. What this suggests is that environmental design is basically a coding process which develops an information system reflected in a built environment in which social content is intricately and distinctly entangled with spatial conditions emerging from the needs of that coding and consisting of distributions, configurations, densities, separations, patterns, contiguities, locations, proximities and the like.

MARION  
8:30AM-12:30PM

AIA/ASLA/APA

## SUSTAINABLE PLANNING, BEHAVIOR & DESIGN INTENSIVE

### Streets Reconsidered: Inclusive Design for the Public Realm

*Mukul Malhotra, Daniel Iacofano, Susan Goltsman*

re:Streets is a multi-disciplinary project focused on the planning, design and construction of streets to improve the livability of our cities. The project is exploring the future of streets and what America's roadways would be like if they were designed for living, instead of driving. The half-day re:Streets workshop will provide an overview of street design strategies for expanding the public uses of streets and designing streets to support human development. The workshop will provide ideas and information for creating a network of street types, based on the specific needs of local residents and the social, cultural and environmental character of individual communities. The workshop will provide attendees with strategies for prioritizing street modifications. This workshop is being convened under the auspices of the re:Streets grant program funded in part by the National Endowment for the Arts. Professionals involved in street planning, design and engineering are invited to participate.

MOBILE SESSION VENUE  
8:30AM-5:30PM

ASLA

## NATURE & ECOLOGY MOBILE INTENSIVE

### Experiencing the Cultural and Natural History of the Pacific Northwest: The Bloedel Reserve and Chief Sealth's Grave

*Iain Robertson*

The Bloedel Reserve, a 150-acre estate on Bainbridge Island, is internationally known for the landscape design of its garden/landscape spaces in its Pacific Northwest native forest setting. No place better exemplifies the character of the Puget Sound landscape and how eastern and western design traditions have adapted themselves to fit into, and make, this distinctive place. The Reserve's mission is "to provide a tranquil and refreshing experience of nature." Its guiding philosophy of "experiencing nature" was developed by its founder, Prentice Bloedel, who was influenced by the work of Jay Appleton, Charles Lewis, and Rachel and Stephen Kaplan. For individuals interested in human responses to nature, landscape, and place-making, a visit to Seattle that does not include the Bloedel Reserve is unthinkable. This mobile tour proposes a visit to the Bloedel Reserve that will provide participants landscapes, while leaving time for participants to explore the Reserve individually or in small groups, as Mr. Bloedel intended its nature to be

experienced. A visit to the Reserve requires a minimum of two hours to do justice to its landscape experiences. Ideally a visit should be longer, as hurrying defeats its experiential purpose. The proposer of this session and Bloedel Reserve docents will be available for participants wishing a more extended guided tour in lieu of individual exploration time. The Native American Suquamish Tribe's reservation is a short distance from the Bloedel Reserve. The grave of Chief Sealth, the Suquamish Chief after whom Seattle is named, is located in its churchyard. For those interested in the socio-cultural and historical roots of the city, a visit to Chief Sealth's grave is a thought provoking and profoundly moving experience. Bainbridge Island is accessed from Seattle's downtown Coleman Dock by a 35-minute ride across Puget Sound on a Washington State ferry, another iconic Northwest experience.

SENECA

8:30AM-5:30PM

**GRADUATE STUDENT WORKSHOP**

JAMES

1:30PM-5:30PM

AIA/ASLA/APA

**POE/PROGRAMMING INTENSIVE 2****Post Occupancy Evaluation as Input to Programming for Olympic Sites – Developing a Proposal***Richard Wener, Thiery Rosenhech, Keith Jundanian*

The Olympic games are a huge development effort. Billions of dollars are invested in significant urban planning and infrastructure efforts, in a very tight time frame. The same essential site is rebuilt every four years in a different city, providing the potential and the necessity to learn from previous experience and outcomes. The situation begs for an iterative design and evaluation process that addresses both technical and behavioral aspects of design. Olympic sites are also unique because after only several weeks of use a significant portion of the site is torn down or converted for other uses. Each site, then has two sets of uses and users, and they are often very different. For instance, housing from the Lake Placid Winter Games in 1980 became a youth detention facility. The athletic and temporary residential facilities have to support and house up to 10,000 athletes, plus coaches and support personnel for several highly stressful weeks. Millions of visitors flood the venues and other areas of the city and region. Issues of environment as it relates to stress and performance come to the fore, as do questions of wayfinding and orientation. Security concerns have become a significant factor in design and operation. Cross-cultural issues are also critical in these sites — people from every nation in the world use the same facilities at the same time for the same purpose. The potential for using these evaluations to study cultural differences in use and perception of space is significant. This half-day-long intensive will discuss these issues, provide a target for discussion about conceptual and methodological approaches to POE in an applied setting, and consider the potential for creating an international team that could approach the International Olympic Committee and various national Olympic Committees with proposals to carry out such a research effort.

MARION

1:30PM-5:30PM

AIA/ASLA/APA

**COMMUNICATION INTENSIVE****Placemaking and the Emergent Communication Environment***Gary Gumpert, Susan Drucker, Peter Haratonik*

Our daily lives are shaped by the design of place intertwined and co-existing with electronic means of connection. What is the relationship

between communication technology and the built environment? How does technology reshape our relationship to place? Researchers in this network explore how the two fuse and are determinants of the other. Members of the Communication network consider the concomitant effects on the person/environment relationship that increasingly are characterized by some degree of displacement — the reciprocal and defining interdependence of place modified by communication technology. At this year's intensive we seek representative voices of diverse EDRA networks to speak on how a network's view of place making links to the larger interdisciplinary perspective of communication. An examination of emergent place making must take into account the fact that places and spaces have become sites of multitasking. People watching is augmented by twitter, strolling supplemented by scrolling. These media filled spaces are experientially different physical environments. The introduction of media into physical public spaces brings with it remarkable change in our experience of space. The literature of people/environment studies emphasizes the significance of place making and place attachment. Is a person's sense of identity associated with a sense of belonging to a place influenced when human interaction can be emancipated from place? Is attachment to place changed? How is social space and psychological presence shaped by potential liberation from the limits of physical space? Despite the emancipating capacities of technological connection, why do mobile media users flock to public spaces to connect while disconnecting from those around them? Modern life is lived in the interstice between physical and mediated spaces. The power of media to influence place making is essential. Over the next several decades over 70% of the world's population will migrate into an urban landscape — many will be living in shantytowns. At the same, the nature of social interaction is in the midst of radical change as the result of technological innovations that have an impact across the economic spectrum. We are reaching out to other EDRA networks to seek their expertise, viewpoints, and research agenda that may link or overlap with communication issues. This is unique outreach intensive which seeks the wisdom found in other networks. This intensive explores place making in the emergent communication environment.

COURTYARD BALLROOM

6:00PM-7:30PM

**WELCOME RECEPTION AND PANEL PRESENTATION****Exploration in the Seattle Waterfront: Innovations in Design***Marshall Foster, Central Waterfront Planning Coordinator, City of Seattle, Department of Planning and Development; Cary Moon, Director and Co-founder, People's Waterfront Coalition*

Using Seattle's new waterfront as an intriguing and innovative case study, Marshall Foster, Central Waterfront Planning Coordinator, City of Seattle Department of Planning and Development, and Cary Moon, Director and Co-founder, People's Waterfront Coalition, will discuss how designers can play a useful role as advocates for shaping an opportunity. How can design professionals lay the early groundwork to help define the scope, principles, and goals for a new civic space? How can advocacy and civic debate build public appetite and ultimately political will for holistic, sustainable place-making?



## COLUMBIA

8:00AM-10:00AM

AIA/ASLA/APA

### **CULTURAL ASPECTS OF DESIGN PAPER SESSION 2**

#### **Roadwork: Pedagogic Approaches to the Experience of Travel and Place**

*Peter Butler*

#### **How We Bond With Environments: A Closer Look at Place Attachment**

*Nisha Fernando*

#### **An Analysis of Emergent Placemaking Patterns Informed by the Appropriate Implementation of Design for Experience and Cultural Ergonomics**

*Traci Brisby, Jennifer Colman*

#### **Walking on Water: Urban Design Explorations Using Stormwater-Driven Landscape as an Economic and Social Resource**

*Zoe Clarkwest, Victoria Chanse, David Myers*

## EAST ROOM

8:00AM-10:00AM

AIA/AIA HSW/ASLA/ASLA HSW/APA

### **ACTIVE LIVING BY DESIGN PAPER SESSION 1**

#### **Walking in the City: Comparing High School Students in the U.S. and Brazil**

*Zeynep Toker, Denis Richter, Sposito Olivia Andrian Alves de Oliveira, Lana de Souza Cavalcanti, Vanilton Camilo de Souza*

#### **Case Study of a Senior Citizen Cohousing Development in a Rural Community**

*Melinda Lyon, Mihyun Kang*

#### **Creating Healing Environments for Wounded Warriors throughout the USA**

*Patricia Moore, George Simons*

#### **Designing Healthy Urban Environments: Neighborhood Design and Health-Related Outcomes for Residents of Detroit**

*Jean Wineman, Robert Marans, Amy Schulz, Diaan Van Der Westhuizen, Graciela Mentz, Paul Max*

## FEDERAL

8:00AM-10:00AM

AIA/AIA HSW/ASLA HSW/APA

### **ENVIRONMENT-GERONTOLOGY PAPER SESSION 1**

#### **Neighborhood Association on Active Aging: Preliminary Findings Based on Surveys in Two Metropolitan Areas**

*Atiya Mahmood, Habib Chaudhury, Yvonne Michael, Michael Campo*

#### **Legislating Home: The Impact of Regulation of Small House Settings for Long Term Care Residents in Nova Scotia, Canada**

*Emily Roberts*

#### **Housing and Baby Boomers**

*Marilyn Bruin, Becky Yust, Kelsey Imbertson, Laura Lien*

#### **Progress on the Development of a Theoretical Framework to Advance Retirement Community Social Space Design Research**

*Nichole Campbell*

## JAMES

8:00AM-10:00AM

ASLA/ASLA HSW/APA

### **MOVEMENT IN DESIGNED ENVIRONMENTS PAPER SESSION 2**

#### **A New Presentation of Natural Features Under a Culturalized View: A Study of Planting Design Practices with Ecological Concerns**

*Bo Zhang*

#### **The Effect of Recreational Greenways on Social Behavior and Interactions in Cary, N.C**

*Luis Guilherme Aita Pippi, Arthur Rice, Silvio Macedo*

#### **The Use of Bicycle Transportation in the Farm-Market Environment in China: A Video-Based Approach**

*Yang Luo*

## MUNICIPAL

8:00AM-10:00AM

AIA/ASLA/APA

### **INTERIOR DESIGN PAPER SESSION 1**

#### **Furniture, Eye Level, and Communication**

*Corey Schnobrich*

#### **Borrowing From the Library: Evidence-Gathering Strategies for Library Design**

*Travis Hicks*

#### **Existential Place-making: The Dialogical Realms of Design for Dwelling with Disability**

*Rinkle Shah, Jill Franz, Anoma Kumarasuriyar*

### **Influences of Retail Atmospherics on Consumers' Vertical Circulation**

*Clarine van Oel, Ben de Weerd*

## NORTH ROOM

8:00AM-10:00AM

ASLA/APA

### **PARTICIPATION PAPER SESSION 2**

#### **Designing Locally with Global Vision: An Emerging Authentic "Engagement & Design" Systems Thinking Approach from Experiences in Rural America**

*Rula Awwad-Rafferty, Elizabeth Graff*

#### **A Human-centered, Emergent Development Model**

*Noah Billig*

#### **Using Scenario Plans With Stakeholders for Sustainable Landscape and Urban Planning: A Case Study in Greening the Inner Core of the Boston Metro Area**

*Chingwen Cheng, Robert L. Ryan, Craig R. Nicolson, Paige S. Warren*

## SENECA

8:00AM-10:00AM

AIA/ASLA/APA

### **CHILDREN, YOUTH & ENVIRONMENT PAPER SESSION 2**

#### **Architecture for Environmental Education: Investigating the Teaching Green School Building**

*Laura Smith*

#### **The Benefits of Supportive Healing Environments for Hospitalized Children**

*Michelle Pinson, Kristi Gaines*

#### **Eco-Literacy Through Landscape Design: Working With the Educational Sector to Foster Place-Based Learning**

*Emily Carlson*

## SPRING

8:00AM-10:00AM

AIA/ASLA/APA

### **CULTURAL ASPECTS OF DESIGN PAPER SESSION 3**

#### **Emergent Places: Post-Industrial and Post-Disaster Sites as Contested Terrains and Critical Infrastructure**

*Joern Langhorst*

#### **Whose Mall? A Case Study and Critique of the Revitalization of Indianapolis's Ethnic Retail Hub**

*Susan Dieterlen*

#### **Architecture for Art: The Denver Art Museum as a Case Study of Museum Design**

*Georgia Lindsay*



May 31

**Re-Placemaking; Constructing a New System of Bonding with Places***Amin Mojtahedi, Faraz Tajik*

SUPERIOR

8:00AM-10:00AM AIA/AIA HSW/AIA SD/ASLA/APA

**HEALTH PAPER SESSION 2****Evaluating the Healing Effects of Design Elements in Therapeutic Landscapes: A Case Study of Rosecrance Healing Garden***Jessy Bergeman***Research Informs Artwork and Furnishings for Family and Patient-Centered Care: Results from a Facility Evaluation***Nicholas Watkins, Erin Peavey, Upali Nanda, Gena English, Janet Kobylka***A Phenomenological Study of Senegalese Eco-Projects: The Connection Between Well-Being and Sustainable Development Activities***Mark Hoelterhoff, Casey Stafford***Cancer Care Environments: What Do Patients, Companions, and Staff Prefer and Why***Zhe Wang, Natalie Petzoldt, Jennifer Cayton, Michael Puksza Puksza, Ashley Farell, Peter Hourihan*

MARION

9:00AM-10:00AM

**KNOWLEDGE NETWORK CHAIRS MEETING**

3RD FLOOR FOYER

10:00AM-10:30AM

**BREAK**

COURTYARD BALLROOM

10:30AM-12:00PM AIA/ASLA HSW/ASLA/APA

**KEYNOTE PRESENTATION****Urban Design to Nurture Human Potential***Denis Hayes, CEO, Bullitt Foundation*

R VIEW LOUNGE (28TH FLOOR)

12:00PM-1:15PM

**KNOWLEDGE NETWORK LUNCH MEETINGS**

- > Communication
- > Cultural Aspects of Design
- > Health
- > International Housing Research
- > Nature & Ecology
- > Participation
- > POE/Programming

COLUMBIA

1:30PM-3:00PM

AIA/AIA HSW

**POE/PROGRAMMING PAPER SESSION 1****Aesthetics, Furnishings, and Technology in University Classrooms: Do They Influence Student Learning and Well-Being?***Denise Guerin, Hye-Young Kim, Jonee Kulman Brigham, SeonMi Choi, Angelita Scott***Impact of Green Homes for Low-Income Families: Post Occupancy Evaluations (POE) of LEED-certified Habitat for Humanity Homes in Michigan***Eunsil Lee, Suk-Kyung Kim, Yunjeong Mo***Learning Within the Commons: An Exploratory Study of the Transactional Relationship between Students and Their Learning Environment***Jacqueline Pizzuti-Ashby*

EAST ROOM

1:30PM-3:00PM

AIA/ASLA/APA

**SUSTAINABLE PLANNING, BEHAVIOR & DESIGN WORKSHOP 1****SEED®, not LEED: Measuring the Social Impact of Design***Bryan Bell, Jeffrey Hou*

FEDERAL

1:30PM-3:00PM

AIA/ASLA/APA

**NATURE & ECOLOGY PAPER SESSION 1****Objectively Quantifying Nearby Nature: Landcover Data v. Manually Rated Satellite Images***Kimberly Rollings, Nancy Wells***From Place-Making to Policy: The TKF Foundation Sacred Places Grants and Urban Greening Research***Kathleen Wolf, Christine Tanabe, Mary Wyatt, Mary Ann Rozance***The University Green and Student Psychological Well-Being***J. Hipp, Susana Alves, Gowri Gulwadi, Kenneth Chiang, Colleen Dougherty*

MARION

1:30PM-3:00PM

AIA/APA

**PARTICIPATION WORKSHOP 1****A User-Friendly Methodology for Documenting Tangible and Intangible Outcomes of University/Community Partnerships***Susan Thering*

MOBILE SESSION VENUE

1:30PM-5:30PM AIA/AIA HSW/ASLA/ASLA HSW/APA

**ENVIRONMENT-GERONTOLOGY MOBILE SESSION****Learning from Places from the Past: A Visit to Providence Mount St. Vincent Continuing Care Facility***Emily Roberts, Maggie Calkins*

MOBILE SESSION VENUE

1:30PM-5:30PM

AIA/ASLA/APA

**SUSTAINABLE PLANNING, BEHAVIOR & DESIGN MOBILE SESSION****A Walking Tour Through Downtown Seattle's Past and Future***Iain Robertson*

MUNICIPAL

1:30PM-3:00PM

AIA/ASLA/APA

**NATURE & ECOLOGY WORKSHOP 1****Building Institutions that Make Places***Lynda Schneekloth, Robert Shibley*

NORTH ROOM

1:30PM-3:00PM

AIA/ASLA/APA

**CULTURAL ASPECTS OF DESIGN SYMPOSIUM 1****Hard Space, Soft Space, and Architectures of Appropriation***Kush Patel, Karen Franck, Peter Aeschbacher*

SENECA

1:30PM-3:00PM

AIA/AIA HSW/AIA SD

**POE/PROGRAMMING SYMPOSIUM PART 1****Emerging Trends in International Building Performance Evaluation***Shauna Mallory-Hill, Christine Kohlert, Ulrich Schramm, Carlotta Fontana, Martin Hodulak, Fionn Stevenson, Rotraut Walden, Seng Kee Chan, Akikazu Kato, Shiho Mori, Astrid Gerhardt, Aaron Davis, Wolfgang Preiser, Jack Nasar, Isabel Carmona, Mary Hancock, Chris Kendrick, Ian Mawditt*

SPRING

1:30PM-3:00PM

AIA/ASLA/APA

**INQUIRY & RESEARCH SYMPOSIUM 3****Social Science Research More Suitable for the Design Professions***Eleftherios Pavlides, Jeremy Wells, Sanjoy Mazumdar, Galen Craz, Hirofumi Minami*

SUPERIOR  
1:30PM-3:00PM

ASLA

**INVITED PRESENTATION**

**Landscape Performance: Documenting the Benefits of Sustainable Landscape Solutions**

*Barbara Deutsch, Linda Ashby*

SOUTH ROOM

3:00PM-4:00PM

**POSTER SESSION 1 – THURSDAY**

1. **The Built Environment of Animal Shelters**  
*April Spivack*
2. **Research on the Relationship Between ‘Places’ Constructed by Elementary School Children in their After-School Life and the Local Environmental Resources**  
*Daisaku Hayashida, Kei Adachi, Koichi Nakaie*
3. **Reflection on the Role of Culture in Environmental Design and Affordances**  
*Tzufen Li*
4. **Urban Sprawl and Neighborhood Social Interactions: An Exploration in U.S. Metropolitan Regions**  
*Liliana Carvajal*
5. **Integrating Historical, Spatial, and Functional Morphologies in the Study of Cities**  
*Hadi Shateh*
6. **The Characteristics of Spatial Configuration of Activity Areas in Classrooms According to the Types of Daily Routine by Age Groups in Child-Care Centers in South Korea**  
*Mockwha Choi, Jong Hay Rha, Jung A Park, Yeon Uk Jeon,, Hyuk Hwang, Young Aee Kim, Yeon Hee Kwon, Chan Hwa Park*
7. **Design for Privacy Considerations in the Libyan Culture: An Evidence-Based Design Approach**  
*Haithem El-Hammali, Cherif Amor*
8. **Affordance-Based Explanations Regarding the Role of Elements for Organizing Space in Human Spatial Navigation**  
*Duy Pham*
9. **Reducing Stress Through Design: Long and Short Term Stay Facilities for Children**  
*Michelle Pinson, Kristi Gaines*

10. **The Effect of the Public Arts on the Urban Landscapes (2): A Reanalysis Using a Regression Analysis**  
*Yui Motoyama, Kazunori Hanyu*
11. **Using Facilitated-VGI and Smartphones to Collect Safe Route To School Infrastructure Data for Improved Decision Making**  
*Christopher Seeger*
12. **Immersive Engines: Immersion in 3D Gaming Platforms Through Soundscapes**  
*Tilanka Chandrasekera, So-Yeon Yoon, Newton D’souza*
13. **Bio Trash: the Video Game + iPhone App; Expanding Placemaking into the Digital Realm**  
*Leann Andrews*
14. **Economic Needs Assessment, Strategic Urban Programming, and Placemaking**  
*Angela Boersma*
15. **The Spirit House of Papua New Guinea**  
*Debra Eilering*
16. **Relocation Processes for Chronically Flooded Towns: Case Studies in Regional Development**  
*Debra Eilering, Craig Anz*
17. **A Study on the Cases of Parking Lots Using Eco-friendly-Energy Resource in KOREA and USA**  
*SeungYeong Kang, KwangHo Son*
18. **Comparing the Reliability of Virtual vs. “On the Ground” Environment Audits of 4 Assisted Living Sites**  
*Anna Chudyk, Erin Gorman, Maureen Ashe, Meghan Winters*
19. **Incorporating the Needs of Elderly Residents into Community Centers**  
*Heajung Yoo, Jihye Hwang, Meiluo Jin, Yeunsook Lee*
20. **The Holistic Regeneration of Ballymun, Ireland for Ten Years**  
*Soojin Lee, Yeunsook Lee*
21. **Dammed If We Don’t: Student Visions for the Lower Snake River Basin**  
*Jolie B. Kaytes*
22. **An Effect of Rediscovery School on Community Regeneration**  
*Sungtae Chae, Yewan Park, Yeunsook Lee*
23. **An Effect of Spatial Base on Community Regeneration**  
*Kyunngnan Park, Sungtae Chae, Changjin Jeon, Jiyeon Lee, Yeunsook Lee*

24. **Evolution of Community Center in Japan**  
*Jiyeon Lee, Kwangmi Kim, Gayoung Youn, Yeunsook Lee*
25. **Economic Conscious Design Guideline for Resident Participation in Decaying Area**  
*Hyeyon Kang, Jaeyeon Kim, Yeunsook Lee*
26. **Show Me the Moves...All of Them: Enabling Function and Affordance Driven Wayfinding Analysis**  
*Mehul Bhatt, Carl Schultz, Minqian Huang*
27. **User Participated Planning of Community Center in Korea**  
*Yeaji Lim, Hyeyon Kang, Jiyeon Lee, Hyunjin Lim, Yeunsook Lee*
28. **The Psychological Impact of Form Generation on People Preferences in High Rise Building, Using Principle of Parametric Design**  
*Seyed Saleh Kalantari H.*
29. **The Susquehanna River Town Assessment Process: Community Revitalization in Small Town America**  
*Abigail Thomas, Bryan Heritage*
30. **The Bars: Queering Public Spaces in Allentown, Moving Towards a Queer Urbanism in Buffalo, NY**  
*Molly Ranahan*
31. **The Biophilic Concept: Framing Learning with Nature**  
*Ashlee Holtman, Kathleen Ryan*
32. **Sense of Place in the Rural Community Identified Through the Food Bank Physical and Psycho-Social Environment**  
*Alyse Zimmer, Kathleen Ryan*
33. **Personal Learning Environments of Students in Wireless Coffee Shops**  
*Nathan Moore, Newton D’souza*
34. **Pathways as Children’s Places**  
*Adina Cox, Robin Moore*
35. **Evaluation of Tall Office Building Form to Enhance Wind Energy Production in Building Integrated Wind Turbine, BIWT**  
*Farid Abdolhossein pour, Robert Krawczyk, Mahjoub Elnimeiri*
36. **Metropolitan Landscapes: Redefining Placemaking in St. Louis, MO**  
*Deepti Adlakha*

**37. Everyday Life, Place Making, and the Uncertainty: The Case of the Old Town of Nablus Under the Israeli Occupation**

*Sahera Bleibleh*

**38. The Erasing Boundaries Project: Fostering Service Learning and Civic Engagement in Design and Planning**

*Paula Horrigan, Mallika Bose, Cheryl Doble*

**39. How to Design a Forest Kindergarten**

*Amy LaTomme*

**40. Suburban Morphogenesis: Understanding Patterns of Persistence and Change**

*George Hallowell, Perver Baran*

**41. Review of the Courtyard Design in the Saudi Context: Impact of New Developments**

*Fatma Jobran, Cherif Amor*

**42. Tahrir Square: An Urban, Physical & Symbolic Analysis**

*Azza Eleishe*

**43. No Place to Go: How the Doorway Interface Can Encourage or Discourage Outdoor Usage by Older Adults**

*Susan Rodiek, Adeleh Nejati*

COLUMBIA  
4:00PM-5:30PM AIA/ASLA  
**POE/PROGRAMMING PAPER SESSION 2**

**Searching for Value Creation Indicators and Mixed-Use Environments in North Texas**

*Taner Ozdil*

**Public Service, Activist Architecture, and Social Justice: A Typology for University-Based Community Design Centers**

*Elif Tural*

**Forms of Usable Environmental Design Research (EDR) Knowledge**

*Timothy Imeokparia*

EAST ROOM  
4:00PM-5:30PM AIA/ASLA/ASLA HSW/APA  
**SUSTAINABLE PLANNING, BEHAVIOR & DESIGN PAPER SESSION 1**

**Racialized Development and Environmental Privilege: Access to High Quality Urban Parks in Portland, Oregon**

*Jeremy Nemeth, Geneva Faulkner*

**Envisioning the Gulf Coast: Design, Strategy, and Scenarios for the Future Delta**

*Jeff Carney*

**Tools of the Trade: Practical Models for Sustainable, Community-based Design**

*Aaron Kadoch*

FEDERAL  
4:00PM-5:30PM AIA/ASLA/APA  
**NATURE & ECOLOGY PAPER SESSION 3**

**The Weather as a Means of Sustaining Building Occupants and the Environment**

*Kevin Nute*

**Nature as a Buffer of Pain: Nearby Nature Moderates the Relation Between Pain Catastrophizing and Chronic Pain Intensity Among Older Adults**

*Nancy Wells, Kimberly Rollings, Anthony Ong, M. Carrington Reid*

**Second Nature: Notes on Convergence Between Nature and Technology in Building Science**

*Michael Gibson*

JAMES  
4:00PM-5:30PM AIA/ASLA/APA  
**PARTICIPATION SYMPOSIUM 2**

**Memorials and the Making of Meaning**

*Karen Franck, Philip Speranza, Johnpaul Jones, Lynn Paxson*

MARION  
4:00PM-5:30PM ASLA/ASLA HSW/APA  
**PARTICIPATION WORKSHOP 2**

**Life – Space – Building: New Methods for Planning Lively Neighborhood Centers**

*Nancy Rottle, Jill Sterrett, Julie Kriegh, Jeanine Matthews, Betsy Jacobsen, Brad Shipley*

MUNICIPAL  
4:00PM-5:30PM ASLA/ASLA HSW/APA  
**NATURE & ECOLOGY WORKSHOP 2**

**Ecologies in Urban Design: Integrated Design Strategies for an Uncertain Future**

*Julie Johnson, Ken Yocom, Jim Brennan, Peggy Gaynor*

NORTH ROOM  
4:00PM-5:30PM AIA/AIA HSW/AIA SD  
**POE/PROGRAMMING WORKSHOP**

**Context & Prediction of Building Efficiency & Behavioral Outcomes in Green Buildings**

*Richard Wener, Clinton Andrews, Jennifer Senick, MaryAnn Sorensen Allacci*

SENECA  
4:30PM-5:30PM AIA/AIA HSW/AIA SD  
**POE/PROGRAMMING SYMPOSIUM PART 2 (Part 1 from 1:30PM-3PM)**

**Emerging Trends in International Building Performance Evaluation**

*Shauna Mallory-Hill, Christine Kohlert, Ulrich Schramm, Carlotta Fontana, Martin Hodulak, Fionn Stevenson, Rotraut Walden, Seng Kee Chan, Akikazu Kato, Shiho Mori, Astrid Gerhardt, Aaron Davis, Wolfgang Preiser, Jack Nasar, Isabel Carmona, Mary Hancock, Chris Kendrick, Ian Mawditt*

SPRING  
4:00PM-5:30PM AIA  
**WORK ENVIRONMENTS PAPER SESSION 1**

**Work Environment Choice: A Mixed Methods Investigation of How Spatial Autonomy and Motivation Affect Productivity, Creativity, and Well-Being Of Mobile Workers**

*April Spivack*

**An Investigation of the Multi-Generational Workforce and its Implications in the Workspace**

*Ashley Culler, Felicia Balestrere, Darcy McDonough, Vibhavari Jani*

**The Life of the Lab: Creating Collaborative Workspaces for Scientists**

*Tara Flaningam Dell*

SUPERIOR  
4:00PM-5:30PM AIA/ASLA/APA  
**NATURE & ECOLOGY PAPER SESSION 4**

**The Restoration of Attention: A Role for Compelling European Architecture?**

*Ann Devlin, Briana Borenstein, Sarah Lamer*

**The Value of Nature for Nature's Sake: A Look at Lincoln Park's Ecological Restoration**

*Elizabeth Kocs*

**Diverse Park Settings and User's Behavior and Preference**

*Zahra Zamani, Jong Seon Lee, Luis Guilherme Aita Pippi*

# Friday

COLUMBIA

8:00AM-10:00AM

AIA/ASLA/APA

## INTERIOR DESIGN PAPER SESSION 2

**Gender Roles and Seating Preferences: Waiting Room Behavior Within an Intensive Care Unit**

*Melanie Duffey, Amanda Gale*

**Interior Design of Lab in Architectural Department**

*Hua Xu*

**Learning Commons and Dynamic User Collaboration in Academic Research Libraries**

*Deborah Middleton*

**Influence of New Urbanist Design Features on Sense of Community: The Case of Cherry Hill Village in Canton, Michigan**

*Shahad Alzaidan, Eunsil Lee*

EAST ROOM

8:00AM-10:00AM

AIA/ASLA/APA

## CHILDREN, YOUTH & ENVIRONMENT PAPER SESSION 1

**Impact of Street Design on Children's Independent Mobility**

*Muntazar Monsur, Zakiul Islam*

**Making Place with Youth in Southern West Virginia**

*Ashley Kyber, Peter Butler*

**Measuring Physical Neighborhood Quality**

*Gary Evans, Kimberly Rollings, Nancy Wells, Yizhao Yang, Amanda Bednarz, Uchita Vaid*

**Schools and Physical Activity: Environmental and Policy Influences on Children's Time Outdoors**

*Beth Myers, Nancy Wells, Margaret Demment*

FEDERAL

8:00AM-10:00AM

ASLA/APA

## PARTICIPATION PAPER SESSION 1

**Intimate Infrastructure: Garden Making as a Spatial Tactic and Assertion of Identity in Post-Apartheid South Africa**

*Meghan Posey*

**Magical Spaces: Participation, Compromise, and Placemaking**

*Debra Ruben*

**Art of Space: Interstitial Transformations as the Spatial Embodiment of Community**

*Gerard Nadeau*

**Developing Research Based Design Guidelines for a River Improvement Overlay in Northeast Los Angeles**

*Zeynep Toker, Carlos Hernandez*

JAMES

8:00AM-10:00AM

AIA/ AIA HSW/

ASLA/ASLA HSW/APA

## MOVEMENT IN DESIGNED ENVIRONMENTS PAPER SESSION 1

**Non-spatial Aspects of Spatial Knowledge: Comparing Visually Impaired Subjects' Verbal Descriptions to Sighted Subjects' Representations**

*Didem Kan Kilic, Fehmi Dogan*

**Aesthetic Response and Urban Plazas: The appreciation of physical characteristics for designed urban open spaces**

*Farhana Ferdous*

**M1 Corridor: Understanding Connections Between Use of Place and Environmental Characteristics Towards the Promotion of Place Making in Urban Design**

*Claudia Bernasconi, Utpal Dutta*

**Retrofit Infiltration Systems Along Urban Streets – A Design-based Methodology to Compare Aesthetic Values**

*Frank Sleepers*

MARION

8:00AM-10:00AM

AIA/ASLA/APA

## SUSTAINABLE PLANNING, BEHAVIOR & DESIGN PAPER SESSION 3

**Community Gardens as a Sign of Underserved Park Systems**

*Taylor Ladd, Sungkyung Lee, David Berle*

**Urban Currency: Repurposing the Urban Surface for Hydrologic and Habitable Functions**

*Kathleen Kambic*

**Quality of Life and Sustainability Studies: Opportunities for Environment-Behavior Research Within Communities and Buildings**

*Robert Marans*

MUNICIPAL

8:00AM-10:00AM

AIA/APA

## ACTIVE LIVING BY DESIGN PAPER SESSION 2

**What Makes a Difference? A Design Checklist for Park-Above-Parking**

*Lanbin Ren, Robert Ribe, Mark Gillem*

**Smartphones and Crowdsourcing: Methods for Quickly Collecting Geospatially Referenced Built Environment Data Over a Large Study Area**

*Christopher Seeger*

**People With Disabilities Use Pattern Of Shanghai Urban Parks And Suggestions To Enhance Their Usability**

*Yujia Zhai, Nannan Dong, Fan Feng, Yingxia Zhang*

NORTH ROOM

8:00AM-10:00AM

AIA/ASLA/APA

## CULTURAL ASPECTS OF DESIGN PAPER SESSION 1

**Factors Related to the Sense of Place in Daehak-ro**

*Seungbin Im, YoonKu Kwon, YoonHee Jeong, Younsun Hue, JaeSang Byeon, HyungSeok Choi*

**A Distribution Pattern of the Place Identity in Insa-dong**

*Seungbin Im, YoonKu Kwon, YoonHee Jeong, Younsun Hue, JaeSang Byeon, HyungSeok Choi*

**The Study of Local Authenticity in Shimokitazawa**

*Keiro Hattori*

**The "City Different – Diverse, Interconnected, Evolving, and Complex Placemaking: A Case Study**

*Donna Zimmerman*

SENECA

8:00AM-10:00AM

AIA/APA

## HEALTH PAPER SESSION 1

**Neuroscapes of Collective Unconsciousness**

*Hui Ward*

**A Phenomenological Study of Senegalese Eco-Projects: The Connection Between Well-Being and Sustainable Development Activities**

*Mark Hoelterhoff, Casey Stafford*

**Critical Review on Evidence of Color Effects for Environmental Design**

*Jin Gyu "Phillip" Park*



SPRING  
8:00AM-9:00AM AIA/AIA HSW/ASLA/APA  
**PLACEMAKING PAPER SESSION 1**

**Organizational Commitment, Sense of Place, and "Green" Urban Neighborhoods**  
*Lindsay McCunn, Robert Gifford*

**Starbucks: Making Business by Making a Place**  
*Lubomir Popov, Margarita Popova*

SUPERIOR  
8:00AM-9:00AM AIA/ASLA/APA  
**PARTICIPATION PAPER SESSION 3**

**Assessing Shrinking City Models: Focus on Strategies for Citizen Participation**  
*Joongsub Kim*

**Enhancing University Students' Sense of Ownership Through a Cross-Disciplinary Community Participation Workshop**  
*Kathleen Ryan, Ole Sleipness*

SPRING  
9:00AM-10:00AM AIA/ASLA/APA  
**PARTICIPATION WORKING GROUP 2**

**Design as a Social Act: 'Social Factors' and Participatory Design, 1960-1980**  
*Susanne Cowan, Ayda Melika, Maria Carrizosa*

SUPERIOR  
9:00AM-10:00AM ASLA/ASLA HSW/APA  
**PARTICIPATION WORKING GROUP 1**

**Working Group on Cross-Disciplinary Civic Engagement and Design Responses for Sea Level Rise and Storm Surge in Dorchester County, Maryland**  
*Victoria Chanse, Hooman Koliji, Luis Diego Quiros, Jesus de Lara, Kevin Adams*

3RD FLOOR FOYER  
10:00AM-10:30AM  
**BREAK**

COURTYARD BALLROOM  
10:30AM-12:00PM AIA/ASLA/APA  
**PLENARY PRESENTATION**

**Indigenous Design Emerging Gifts**  
*Johnpaul Jones, FAIA, Founding Partner, Jones & Jones*

RVIEW LOUNGE (28TH FLOOR)  
12:00PM-1:15PM  
**KNOWLEDGE NETWORK LUNCH MEETINGS**

- > Active Living By Design
- > Building Process Alliance
- > Children, Youth & Environment
- > Cyberspace & Digital Environments
- > Environment-Gerontology
- > Environmental & Architectural Phenomenology
- > Interior Design

COLUMBIA  
1:30PM-3:00PM AIA/ASLA/APA  
**ACTIVE LIVING BY DESIGN SYMPOSIUM**

**IBASHO: Emerging Placemaking by Citizens in Japan**  
*Takeshi Suzuki, Hiroshi Tachibana, Shigeki Matsubara, Yasuhiro Tanaka, Akihiko Iwasa, Sanjoy Mazumdar, Emi Kiyota*

EAST ROOM  
1:30PM-3:00PM AIA  
**INQUIRY & RESEARCH SYMPOSIUM 1**

**School For The Deaf: Presenting the Inhabitant's Point of View to Architects**  
*Eleftherios Pavlides, Scott Hoitsma, Melinda Green, Devin Picardi, Brian Boisvert, Christopher Armstrong*

FEDERAL  
1:30PM-3:00PM AIA/AIA HSW/ASLA/APA  
**RESIDENTIAL ENVIRONMENTS PAPER SESSION 1**

**Environment and Behavior: Residential Designs for Autism**  
*Kathryn Lopez, Kristi Gaines*

**Mapping Disaster: Social Topographies as Drivers for Sustainable Re-Building**  
*Nadia Anderson*

**Inside High-Rise Living: Effects on Mental Health**  
*Marwa Abdelmonem, Kristi Gaines*

JAMES  
1:30PM-3:00PM AIA  
**WORK ENVIRONMENTS PAPER SESSION 2**

**Privacy, Identity, and Territoriality in the Workspace: What a Designer Should Know**  
*Audrey George, Margaret Bierschwal, Kanishka Jayanetti, Berta Navarro, Vibhavari Jani*

**Kansei and Consumer Experience of Behavior Settings**  
*Allan Wicker, Hirofumi Minami*

**Occupants' Satisfaction With Sustainable Indoor Environmental Quality: Exploratory and Confirmatory Factor Analyses**  
*SeonMi Choi, Denise Guerin*

MOBILE SESSION VENUE  
1:30PM-5:30PM AIA/ASLA/APA  
**SUSTAINABLE PLANNING, BEHAVIOR & DESIGN MOBILE SESSION**

**A Walking Tour Through Downtown Seattle's Past and Future**  
*Iain Robertson*

MUNICIPAL  
1:30PM-3:00PM AIA/ASLA/APA  
**PARTICIPATION SYMPOSIUM 1**

**International Service Learning as Revolutionary Pedagogy: Design Projects of Community Consciousness**  
*Henry Sanoff, Jeffrey Hou, Julieta Shek, Peter Aeschbacher, Kofi Boone*

NORTH ROOM  
1:30PM-3:00PM AIA/ASLA/APA  
**SERVICE TO EDRA WORKSHOP 1**

**Meet the Editors**  
*Andrew Seidel*

SENECA  
1:30PM-3:00PM AIA/AIA HSW  
**HEALTH PAPER SESSION 3**

**Extraneous and Peripheral Factors That Can Stifle Designing for Flexibility in Healthcare**  
*Debajyoti Pati, Tom Harvey*

**6 for Lunch: A Dining Option for Residents with Dementia in a Special Care Unit**  
*Emily Roberts*

**The "Challenge" of Patient- and Family-Centered Care: Exploring the Roles of Design and Culture in Nurse-Family Interactions in a High Acuity Intensive Care Unit**  
*Allyn Rippin*



SPRING  
1:30PM-3:00PM

AIA/ASLA/APA

### CYBERSPACE & DIGITAL ENVIRONMENTS WORKSHOP

#### Teaching and Learning with Web2.0 Tools in Traditional and Virtual Classrooms

*Danny Mittleman*

SUPERIOR  
1:30PM-3:00PM

AIA/AIA HSW/  
AIA SD/ASLA/ASLA HSW/APA

### RESIDENTIAL ENVIRONMENTS SYMPOSIUM

#### Safe and Restorative Placemaking: Before and After Measures for Disaster Mitigation

*Ryuzo Ohno, Xue Ma, Virginia Vásquez, Galo Valdebenito, Paula Villagra-Islas, Csritian Oliva, Pedro Aravena, Ryosuke Tomiyasu, Toshio Ohtsuki*

SOUTH ROOM  
3:00PM-4:00PM

### POSTER SESSION 2 – FRIDAY

1. **Green Side Up: Assessing the Performance of Green Roof Infrastructure in the Puget Sound Cascadia Region**  
*Ken Yocom, David Bramer, Ben Spencer*
2. **Architects When Only Artificial Intelligence is Relied on in Architecture Pedagogy?**  
*Crispino Ochieng*
3. **Designing Elderly Home Units and Well-Being**  
*Islam Obeidat, Saif Obeidat, Kristi Gaines*
4. **Anatomy of the New York City Yoga Studio: An Exploration of Yoga Spaces in the City that Never Sleeps**  
*Hannah Jaicks*
5. **The Planning Features of Common Spaces in Welfare Facilities in Singapore**  
*Reiko Hara, Seng Kee Chan, Akikazu Kato, Shiho Mori*
6. **Nature as a Design Intervention: Optimum Environments for the Aging with Intellectual Developmental Disabilities (IDD)**  
*Angela Bourne, Kristi Gaines*
7. **The Voice of Nature is Always Encouraging: Uncovering a Therapeutic Wilderness**  
*Jennifer Pipitone*
8. **Preservation and Townscape of Japanese Traditional Houses: A Case of Koyasan**  
*Yoshihiro Kametani*

9. **The Effect of Hospital Gardens on Nurses and Healthcare Workers**  
*Mary Anne Bifulco*
10. **Axis Mundi – The Center of Your Universe**  
*Dave Richter-O’Connell*
11. **Piloting New Innovations is an Art: A Magic Carpet and a Rag-Rug**  
*Doris Milke, Jeffrey Cheng, Thorsten Duebel*
12. **Wind-catcher: A Middle Eastern Sustainable Ventilation System**  
*Shohre Kheyri-Sohi, Cherif Amor, Kristi Gaines*
13. **Ecology House – A Post-Occupancy Evaluation**  
*Roberta Null, Debra Eilering, Arlena Hines*
14. **Universal Design for Low-Vision Elderly**  
*Roberta Null, Joy Potthoff, Debra Eilering*
15. **Effect of Community Gardening on Reducing the Fear of Crime**  
*Mamoru Amemiya*
16. **Redesigning an Emergency Department Waiting Area using an Evidence-Based Approach**  
*Haithem El-Hammali, Debajyoti Pati*
17. **Linking the Concept of a Sustainable Medical System and General Hospital Design with Today’s Ideas of Healthy Community Design**  
*Zhe (Wendy) Sun, David Boeck*
18. **Openings to the Outdoors in Healing Environments**  
*Adeleh Nejati, Susan Rodiek*
19. **Benefits of Using Floral Scent in Therapeutic Horticulture**  
*Hyunju Jo, Susan Rodiek*
20. **The Effectiveness of a Multimedia Educational Tool for Community Engagement in Smart Growth Design Approaches**  
*Kelleann Foster*
21. **Visual Properties and Affective Appraisals in Hospital Waiting Areas: A Study Using Evaluation Grid Method**  
*Mayu Sue, Kazunori Hanyu*
22. **Design Considerations for Hospital Buildings to Support ICU Patients’ Evacuation during Emergency Situations**  
*Sharmin Kader*

23. **The Impact of Window View on the Well Being of Workers**  
*Maryam Mansoori*
24. **Effects of Multi-sensory Environment on People with Dementia: Through the Focus Group Interview with Nursing Staff**  
*Sookyong Lee, Agneta Morelli*
25. **Housing and Neighborhood Design for Healthy and Active Aging**  
*Sherry Ahrentzen, Elif Tural*
26. **Functional Extension of Apartment Bathrooms According to the Needs of Users**  
*Boyun Kirk, Sung-ah Yang, Gidong Byun, Hyochang Lee, Mikyoung Ha*
27. **Qualitative Evaluation of Pedestrian Lighting Systems and Walkable Night Environments**  
*Darlene Myrie*
28. **Taking Neighborhood Health to Heart: Exploring Environmental and Social Barriers to Healthy Eating**  
*Jessica Cook, Eric Ross, Debbie Guenther, Steven Lockhart, Deborah Main*
29. **Biodiversity Green Wall, Edible Green Screen and Water Harvesting Research and Demonstration Project**  
*Leann Andrews, Katie Hunt, Matt Chism, David Tomlinson, Nancy Rottle*
30. **Exploring Sensory Processing as Predictor and Parameter of Space Design Criteria**  
*Haroon Sattar*
31. **Residents’ Preference for Spatial Features in Sitting Areas at Assisted Living Facilities**  
*Min-Ah Lee, Susan Rodiek*
32. **Environmental Preference on the Creekwalk: A GIS Analysis**  
*Meghan Holtan*
33. **Multi-Sensory Interaction: Designing for the Sixth Sense**  
*Ramin Ghods*
34. **Perceptions of Natural Restorative Environments in Individuals Treated for Cancer: A Repertory Grid Analysis**  
*Adam Day, Philip Doyle*
35. **Transforming the Mid-Polis: Boston, United States and Nanjing, China**  
*Deepthi Adlakhia, Paul Lukez*
36. **The Pedestrian Shortcut Use in One Community**  
*Yilin Song, Saied Zarrinmehr*



- 37. RFP: The Healing Power of Nature**  
Christine Tanabe, Kathleen Wolf,  
Mary Wyatt
- 38. The Pedagogy to Instill User  
Sensitivity and Responsiveness  
Through a Rationalized Procedure of  
Formal Exploration in Junior Design  
Studio**  
Fang Xu
- 39. Employees' Perceptions of Indoor  
Environmental Quality of Sustainable  
Office Building and Effect on Self-  
Perceived Work Performance**  
SeonMi Choi

COLUMBIA  
4:00PM-5:30PM AIA/ASLA/APA  
**ACTIVE LIVING BY DESIGN PAPER  
SESSION 3**

- Study of Chinese Green Space System  
Standards**  
Yujia Zhai
- The Influence of the Local  
Neighbourhood Environment on Walking  
Levels During The Walking for Wellbeing  
in the West (WWW) Pedometer-  
Based Community Intervention Study  
(Glasgow, UK)**  
Lynette Robertson, Catharine Ward  
Thompson, Peter Aspinall, Catherine  
Millington, Chloe McAdam, Nanette Mutrie

**Active Design in Chinese Cities: Problems  
and Possible Interventions**  
Kristen Day, Mariela Alfonso, Zhan Guo,  
Karen Lee

EAST ROOM  
4:00PM-5:30PM AIA  
**INQUIRY & RESEARCH SYMPOSIUM 2**

- Symposium: Challenges for  
Qualitative Methods and Approaches  
in Environment-Behavior Research:  
Ideology, Ethics, and Understanding  
Phenomena**  
Jeremy Wells, Lynne Manzo, David Seamon,  
Ingrid Stefanovic

FEDERAL  
4:00PM-5:30PM AIA/AIA HSW/APA  
**RESIDENTIAL ENVIRONMENTS PAPER  
SESSION 2**

- Baby Boomers and Blockbusters: An  
Exploration of Attitudes Towards  
Housing Density in Emerging Places**  
Carl Smith
- A Place for Urban Renters:  
Environmentally Conscious Multifamily  
Housing Properties**  
Suk-Kyung Kim, Eunsil Lee
- Meaning of the Built Environment:  
Differences Between Designers and Users**  
Aliaa Elabd

JAMES  
4:00PM-5:30PM AIA/AIA HSW  
**WORK ENVIRONMENTS PAPER SESSION 3**

- The Organizational Regime Assessment  
Scale (ORAS): A Systems Approach to  
Workplace Analyses**  
Ronn Phillips
- Privacy in the Work Space: Breaking  
Down the Barriers of Cultural Ignorance**  
Sierra Cuda, Nadia Aguayo, Carrisa Loher,  
Richard Thompson, Vibhavari Jani

MARION  
4:00PM-5:30PM AIA/APA  
**ENVIRONMENT-GERONTOLOGY PAPER  
SESSION 3**

- The Community Environmental Design  
Research Exhibit with a Substantive  
Focus on Aging: Prototype, Trial and  
Proof Concept**  
David Boeck, David Moxley, Hans-Peter  
Wachter, Jeffery Bishop, Cindy Simon  
Rosenthal

- An Integrative Approach to Successful  
Aging within a Continuing Care  
Retirement Community**  
Jessica Grabham, Kristi Gaines, Zane Curry
- Case Study of Nursing Homes in Japan  
Planning Characteristics in Unit-type  
Nursing Homes**  
Shiho Mori, Gen Taniguchi, Enbo Dong,  
Yukiko Inoue, Akikazu Kato, Seng Kee Chan

NORTH ROOM  
4:00PM-5:30PM AIA/ASLA/APA  
**SERVICE TO EDRA WORKSHOP 2**

- Before and After Publishing Your Book**  
Galen Crazn, Karen Franck, Robert Bechtel,  
Sally Augustin

SENECA  
4:00PM-5:30PM AIA/AIA HSW  
**RESIDENTIAL ENVIRONMENTS WORKSHOP**

- Residential Environments – Translating  
Research into Policy and Practice**  
Tasoulla Hadjiyanni, Marilyn Bruin

SPRING  
4:00PM-5:30PM AIA/AIA HSW  
**WORK ENVIRONMENTS PAPER SESSION 4**

- Effects of Colocation on Organizational  
Climate: A Longitudinal Study**  
Mahbub Rashid, Kent Spreckelmeyer, Neal  
Angrisano
- Sustainable Energy Systems, Sources,  
and Strategies for Workplace Design**  
Darra Derheim, Vibhavari Jani, Tiffany  
Hoffman, Ryan Goetsch

SUPERIOR  
4:00PM-5:30PM AIA/AIA HSW/APA  
**RESIDENTIAL ENVIRONMENTS PAPER  
SESSION 3**

- Understanding Environmental Attitudes  
and Behaviors: Case Study of Two Socio-  
Economically Diverse LEED-Certified  
Multifamily Housing Developments in  
the Midwest**  
Lamis Behbehani, Linda Prokopy
- Sustainable, Affordable Housing: Re-  
Framing the Issue of Cost**  
Nadia Anderson

- Urban Form and Spatial Identity:  
Examining Persistence and Resilience in  
Urban Neighborhoods**  
Robin Abrams, Aliaa Elabd, George Hollowell,  
Vibhavari Jani

COURTYARD BALLROOM  
5:45PM-6:45PM  
**EDRA MEMBERS MEETING**

# Saturday

COLUMBIA

8:00AM-9:00AM

AIA/ASLA/APA

## **SUSTAINABLE PLANNING, BEHAVIOR & DESIGN PAPER SESSION 2**

**Tracking Urban Sprawl: Applying Moran's I Technique in Developing Sprawl Detection Models**

*Hossein Estiri*

**Coding for Complexity, Emergence, and Sustainability**

*Neal LaMontagne*

EAST ROOM

8:00AM-9:00AM

AIA/AIA HSW/APA

## **SCHOOL & EDUCATIONAL ENVIRONMENTS WORKING GROUP**

**Based on What Evidence? Learning Space Design in Higher Education**

*Janice Fournier, Jill Morelli*

FEDERAL

8:00AM-10:00AM

AIA/ASLA/APA

## **INTERIOR DESIGN PAPER SESSION 4**

**Environmental Preference Index: Improving the Person/Environment Congruence for an Office Setting**

*Natalie Ellis*

**Narrative Methods for Visualization and Presentation**

*Ruth Westervelt, Christiana Lafazani*

**Exploration of Abductive Learning Theory to Enhance Design Thinking in the Design Studio**

*Tina Patel, Angela Boersma*

JAMES

8:00AM-9:00AM

AIA/AIA HSW

## **NATURE & ECOLOGY WORKING GROUP**

**Mental Reaction of Homeless Men to Media Presentation of Wilderness Environment**

*Jun Kim*

MARION

8:00AM-10:00AM

AIA/ASLA/APA

## **NATURE & ECOLOGY PAPER SESSION 5**

**Fire, Color Change, and People's Responses to Landscapes**

*Paula Villagra-Islas*

**Towards "Cool Urbanity": Green Infrastructure and City Form Spatial Realignment for Natural Ventilation**

*Antony Wambui, Kofi Boone*

**Measured Change: Building Scenarios for a Resilient Coast**

*Jeffrey Carney, Kristi Chermie*

MUNICIPAL

8:00AM-9:00AM

AIA/ASLA/APA

## **WORK ENVIRONMENTS WORKING GROUP**

**Data Gathering by Environment-Behavior Professionals: A Working Group to Explore Innovative Techniques and Instruments**

*Sally Augustin*

NORTH ROOM

8:00AM-9:00AM

AIA/AIA HSW/

AIA SD/ASLA/ASLA HSW/APA

## **SUSTAINABLE PLANNING, BEHAVIOR & DESIGN WORKING GROUP**

**Developing a Research Agenda for The Sustainable Planning, Design, and Behavior Knowledge Network**

*Jennifer Senick, Richard Wener, Robert Marans, Judith Heerwagen*

SENECA

8:00AM-10:00AM

AIA/ASLA/APA

## **CULTURAL ASPECTS OF DESIGN PAPER SESSION 4**

**Marilyn Monroe Visits Chicago: Private Reactions to a Controversial Work of Public Art**

*Kathryn Anthony, Mae Al-Ansari, Toshea Drew*

**Identifying Emerging and Cross Disciplinary Approaches to Teaching and Learning Problem Solving in the Design Studio**

*Elizabeth Tofte*

**Intersection of Self and Society and Care for a Place: The Turkish Salon**

*Sibel Seda Dazkir, Marilyn Read*

**The African-American Community Library: Expanding Place and Purpose**

*Travis Hicks*

SPRING

8:00AM-10:00AM

AIA

## **CYBERSPACE & DIGITAL ENVIRONMENTS PAPER SESSION**

**Rethinking Surveillance: An Interdisciplinary Approach**

*Tasoulla Hadjiyanni*

**Game Changers: Sudden Moments of Inspiration (SMI) in the Design Process**

*Tilanka Chandrasekera, Ngoc Vo, Newton D'souza*

**Perceiving Geometric Configurations in Digital Environments: A Study on the use of Virtual Reality (VR) and Augmented Reality (AR) in Design Education**

*Tilanka Chandrasekera, So-Yeon Yoon*

SUPERIOR

8:00AM-10:00AM

AIA/ASLA/APA

## **INTERIOR DESIGN PAPER SESSION 3**

**Certification Programs: Are they Achieving Their Purpose?**

*Amanda Gale, Louise Jones*

**Wayfinding Behavior of Airport Users in Relation to the Five City Elements of Lynch**

*Ipek Kastas, Didem Kan Kilic*

**Uncovering the Relationship between Acquisition and Application of Sustainable Design Principles for the Interior Design Discipline**

*Youjin Jurng, Cherif Amor*

**An Evidence-Based Design Approach: Design Concepts and Creativity**

*Cherif Amor*

COLUMBIA

9:00AM-10:00AM

## **STUDENT KNOWLEDGE NETWORK MEETING**

EAST ROOM

9:00AM-10:00AM

ASLA/APA

## **COMMUNICATION WORKING GROUP**

**EDRA's Social Media Strategy: How You Can Get Involved Posting and Tweeting and Networking**

*Danny Mittleman*

JAMES

9:00AM-10:00AM

AIA/AIA HSW/ASLA/

ASLA HSW/APA

## **COMMUNICATION PAPER SESSION**

**Design and the Dialectics of Placemaking**

*Lubomir Popov, Margarita Popova*

**Lost in Translation: Signage and the Case of the Non-English Speaking Commuter Using Public Transportation in an English Speaking Setting**

*Aparna Saligrama, Kathryn Anthony*

MUNICIPAL

9:00AM-10:00AM

AIA/ASLA/APA

## **PARTICIPATION PAPER SESSION 4**

**Assessing the Impact of Community-Based Projects on Student Learning: The Hamer Center for Community Design at Penn State University**

*Mallika Bose, Moondeep Pradhananga*

060212

### Community Placemaking: Using Participatory Methods to Inform Design Strategies

Lori Anthony, Newton D'souza

NORTH ROOM

9:00AM-10:00AM

AIA/ASLA

### MOVEMENT IN DESIGNED ENVIRONMENTS PAPER SESSION 3

#### Greenway Design for Healthy Communities: Case Study of Knoxville

Yilin Shi, Archana Sharma

#### Greenways as Synergistic Landscape to Address Urban Fragmentation

Yilin Shi, Archana Sharma

3RD FLOOR FOYER

10:00AM-10:30AM

### BREAK

COURTYARD BALLROOM

10:30AM-12:00PM

AIA/ASLA/APA

### PLENARY PRESENTATION

#### From the Ground Up: Strategies for Community Development and Democratic Design

Jim Diers, Roberta Feldman, Stephen Luoni

R VIEW LOUNGE (28TH FLOOR)

12:00PM-1:15PM

### KNOWLEDGE NETWORK LUNCH MEETINGS

- > Cities & Globalization
- > Historic Preservation
- > International Connections
- > Movements in Designed Environments
- > Residential Environments
- > Sustainable Planning, Behavior & Design
- > Work Environments

COLUMBIA

1:30PM-3:00PM

AIA/ASLA

### CHILDREN, YOUTH & ENVIRONMENT PAPER SESSION 4

#### Free Range Children? Identifying Children's Domains with Qualitative GPS

Janet Loebach, Jason Gilliland

#### Urban Park Use: The Interaction of Social and Design Features

William Smith, Perver Baran, Robin Moore, Myron Floyd, Jason Bacarro, Nilda Cosco, Tom Daninger

#### Outdoor Spaces for Aging: The Effect of Personality Traits and Spatial Behavior on Designing the Outdoor Spaces for Elderly People In Arab Community: The Case of Jordan

Shireen Kanakri

EAST ROOM

1:30PM-3:00PM

AIA/ASLA/APA

### HISTORIC PRESERVATION PAPER SESSION 1

#### New Uses for Old Buildings: Boosting Tourism Through Preservation, Restoration, and Adaptive Reuse

Theodore Drab

#### To Preserve: Historical Consciousness in a Suburban New Urbanist Community

Bryan Orthel, J. Philip Gruen

#### The Rise and Fall: A Typology of Historical Downtown Parks

Langbin Ren

FEDERAL

1:30PM-3:00PM

### SERVICE TO EDRA WORKSHOP 3

#### The Double-Blind Peer Review Process: How to Ensure Quality Programming

Rula Awwad-Rafferty, Danny Mittleman, Jeremy Wells

JAMES

1:30PM-3:00PM

AIA/AIA HSW/

AIA SD/ASLA/ASLA HSW/APA

### CITIES & GLOBALIZATION PAPER SESSION 1

#### The Making of "The Center of Heaven and Earth": A Constructed World Heritage Site in 2010

Wei Zhao

#### A Framework for Modeling Urban Modality

Yusuke Kita, Teruyuki Monnai

#### The Production of Urban Vulnerabilities in the Context of Sustainability Planning: The Dialectical Challenge

Sarah Dooling

MARION

1:30PM-3:00PM

AIA/AIA HSW/AIA SD/

ASLA/ASLA HSW/APA

### CITIES & GLOBALIZATION PAPER SESSION 2

#### Redeveloped Yet Segregated Neighborhoods: An Analysis of Changes and Perceptions in Korean Apartment Neighborhood Redevelopments

Youngchul Kim

#### [Infra]structured Change: The I-10 Corridor's Support for a Resilient Gulf Coast

Jeff Carney, Bradley Cantrell, Mathew Seibert, Ling Zhang

#### Urban Shrapnel: Theories and Measurements of Waste Landscapes

Galen Newman

MOBILE SESSION VENUE

1:30PM-5:30PM

ASLA/ASLA HSW/APA

### NATURE & ECOLOGY MOBILE SESSION

#### A Watershed Approach: Improving the Hydrology and Habitat of Pipers Creek

Ken Yocom, April Mills

MUNICIPAL

1:30PM-3:00PM

AIA/ASLA/APA

### CULTURAL ASPECTS OF DESIGN SYMPOSIUM 2

#### Words We Use in Environmental Design Research

Karen Franck, David Seamon, Lynda Schneekloth, Sanjoy Mazumdar

NORTH ROOM

1:30PM-3:00PM

ASLA/ASLA HSW/HPA

### MOVEMENT IN DESIGNED ENVIRONMENTS PAPER SESSION 4

#### Searching a Network Tool for Pedestrian Wayfinding: A Proposal for the Space Syntax Added Network Analysis

Misun Hur, Bumseok Chun

#### WYSIWYG: How Do People Interpret Road Signs in Place?

Salmiah Abdul Hamid

#### Emerging Digital Realities and the Built Environment

Hooman Koliji

SENECA

1:30PM-3:00PM

AIA/ASLA/APA

### CHILDREN, YOUTH & ENVIRONMENT PAPER SESSION 3

#### The Comparison of Cognitive Play Affordances Within Natural and Manufactured Preschool Settings

Zahra Zamani

#### Developmental Affordances for Teens

Patsy Owens

#### Children's Preference for Natural Environments and Associated Natural Elements and Play Activities in Santiago, Chile

Daniela Casanello Frisius



SPRING

1:30PM-3:00PM

AIA/AIA HSW/  
AIA SD/ASLA/ASLA HSW/APA**CITIES & GLOBALIZATION PAPER SESSION 3****The Production of Public Space: The Changing Interface of Shopping Centers and Surrounding Urban Public Space***Samira Abbasalipour***Resilience and Place: A Case Study of Wenceslas Square***Cynthia Anderson***Comunidad Ecologica Saludable: Design Activism and Education in the Urban Slums of Lima, Peru***Benjamin Spencer*

SUPERIOR

1:30PM-3:00PM

AIA/ASLA/APA

**CULTURAL ASPECTS OF DESIGN SYMPOSIUM 3****The Concept of Authenticity in Design in the Twenty-First Century***Robert Flanagan, Robert Meurant, Anne Howry, Samantha Grabowska, David Thomas, Lynn Paxson, Joseph Juhasz*

SOUTH ROOM

3:00PM-4:00PM

**POSTER SESSION 3 – SATURDAY****1. Impact of Workspace Design in Indian Context on Occupant's Behavior, to Enhance Efficiency and Comfort***Pooja Pathak, Alpana Dongre***2. Disaggregating The Measurement of Quality of Urban Life Dimensions Across a Complex Metro Region: The Case of Metro Detroit***Byoung-Suk Kweon, Robert Marans***3. For Energy-Efficient Living Places: Identifying Appropriate Housing Archetypes for Retrofitting in a Cold Climate Region***Suk-Kyung Kim, Tim Mrozowski, Amanda Herrell-Seyburn, Nathaniel Ehrlich***4. Importance of Way-Finding and Signage in Corporate Design***Alexis Kiel, Jessica Motz, Chloe Lewis, Lee Watson, Vibhavari Jani***5. Examining the Relationship Between Place Attachment and Community Green Outdoor Spaces***Aliaa Elabd***6. The Physical Aspects of 'Home' Based in Theory and Experiential Learning***Kathleen Ryan, Robert Krikac***7. Importance of Good Acoustics and Air Quality Within a Workspace***Kyle Emme, Jaimie Tosh, Chelsey Baliva, Vibhavari Jani***8. Identifying Resistance to Change: Interior Architecture as a Noble Profession***Sarah Sherman***9. A Study on the Environmental Design of Smart Home with a Review on the Current Trends in Korea***Mi Jeong Kim, Myung Eun Cho, Yeonsook Hwang***10. A Review of Lighting Concepts: Healthcare Facilities***Fatma Jobran, Cherif Amor***11. The Analysis of Color Chromaticity Based on the Case of Urban Media Façade in Seoul***Ju Yeon Kim***12. The Effects of Color on Individuals with Neurodiversities***Kristi Gaines***13. Privacy: a Design Intervention in Housing for Neuro-diverse Populations***Angela Bourne, Cherif Amor***14. An Effect of Housing Environment on Depression in the Republic of Korea***Byungsook Choi***15. Transitioning to Assisted Living: Exploring Elder Women's Perceptions of Home and Self***Laura Lien, Marilyn Bruin***16. Design for Age-Friendly Smart Home-Based on the Healthcare Service: Focusing on Living Space***Daejin Kim, Hyekyoung Shin, Hosik Ryu***17. Relationship Between Residents' Satisfaction of Neighborhood Landscape and Social Interaction***Jae Hwa Lee, Mikyoung Ha***18. The Post Evaluation: Global Perspective for Design***Hyung-Chan Kim***19. An Evaluation of the Psychological, Physiological and Behavioral Effects of Medical Waiting Rooms on Patients***Michelle Pinson***20. Resident Participated Design of Community Garden in a Decayed Area***Kwang mi Kim, Mei Luo Jin, Yeun Sook Lee***21. In The Window Seat: The Influence of Window Locations on Occupants' Sitting Preferences in Educational Environments***Altaf Engineer***22. NASA GSRP Doctoral Fellow Research: Behavioral Study at NASA Ames***Angie Vanhoozer***23. Symbiosis Between Stress and Privacy: Impacts on Patients' Well-Being Issue***Rehab Aburas***24. The Sustainable Design Charette in an Interdisciplinary Design Team***Eunju Hwang, Deborah Hendrix, Shelley Greer, Jane Goldon, Aleina Early, Tiarra Scott, Ellie Luze, Johnnie Stephens, Lionel Crews, Lane Last***25. Residents' Evaluation of Universal Design Elements in Kitchen Space of Korean Apartment Houses***Sun Young Kim, Chan Ohk Oh, Jin Kyoung Park***26. How to Teach Real-Life Complexities in Design Education: Reflections on a Community-Based Affordable Housing Studio***Elif Tural***27. An Exploration of Living Rooms in Turkey***Sibel Seda Dazkir, Marilyn Read***28. A Status on the Sense of Community and the Fear of Crime in Co-Residential Complexes***Jungho Han, Hyochang Lee, Mikyoung Ha***29. Flexi-Care Home Design***Jihye Hwang, Yeaji Lim, Yewan Park, Heajung Yoo, Soohyun Lim, Yeonsook Lee***30. Augmented Reality-Based System for Resident Participation in Corridor Planning***Yeonsook Lee, Dongjoo Lee, Jaeyeon Park***31. A Place for Contemplation: Constructing a Model Environment for Reflection***J. Alex Poorman***32. Sustainable Tourism: Interior Architecture Fostering Socioeconomic Development in Istria***Natasha Diminich*



JUNE 2, 2012

**33. Place, Mobility and the Social Life of the City: An Interior for Active Transportation**

*Erika Sammons*

**34. Designing for Privacy in Office Building Lobbies: Integrating Design Principles of Hospitality and Work Environment**

*Duy Pham*

**35. The Spiritual Self and the Interior Environment: A Response to Contemporary Evolution**

*Jacqueline Failer*

**36. A Study of the Interior Color Scheme for the Modern Hanok**

*Minkyong Shim, Seyun An*

**37. Rethinking Recovery Center Design**

*Sydney Kerschen*

COLUMBIA

4:00PM-5:30PM

AIA/AIA HSW/APA

**SCHOOL & EDUCATIONAL ENVIRONMENTS PAPER SESSION**

**Problem Based Learning as a New Place Maker in Campus Learning Space: Behavioral Studies of Students Collaborations and Group Dynamics**

*Fahed A. Khasawneh, Akikazu Kato, Shiho Mori, Tayo Nagasawa*

**Promoting an Understanding of the Person-Environment Context Through Reflective Environmental**

**Autobiographies of University Students**  
*Gowri Gulwadi, Chris Jazwinski, Rula Awwad-Rafferty, Abdul-Malik Kassim*

**Improving Access for All on Campus: Experience From the ACTUS Project at Mersin University**

*Evrin Demir Mishchenko, Fikret Zorlu, Arzu Bitigen Saylam*

EAST ROOM

4:00PM-5:30PM

AIA/ASLA/APA

**HISTORIC PRESERVATION PAPER SESSION 2**

**Preserving the Architectural Heritage of an Ancient Sacred City: A Case of Varanasi**

*Vibhavari Jani*

**Expressions of Re-Emergent Placemaking in the Aftermath of Disaster**

*Stephen Verderber*

**Strategies and Preservation Alternatives to Save Heritage Park in Fort Worth, Texas**

*Nancy Volkman, Dizi Shi*

FEDERAL

4:00PM-5:30PM

AIA/AIA HSW/

AIA SD/ASLA/ASLA HSW/APA

**BUILDING PROCESS ALLIANCE SYMPOSIUM**

**Emergent Placemaking: Activating Public Space through Design**

*Nancy Rottle, Lauren Keene, Jennifer Hampton, Mary Fialko, Kristi Park*

JAMES

4:00PM-5:30PM

AIA/ASLA/APA

**CITIES & GLOBALIZATION PAPER SESSION 4**

**Observing Changes in the Melbourne Suburban Landscape as a Consequence of Resident's Adaptation to Drought From 2004 to 2008**

*Simon Chui*

**The Bilbao Legacy, Global Extravagance and Local Indebtedness**

*Paul Clarke*

**Surveying a Shifting Ground: Places From Processes**

*Douglas Pardue*

MARION

4:00PM-5:30PM

AIA/AIA HSW/

AIA SD/ASLA/ASLA HSW/APA

**CITIES & GLOBALIZATION PAPER SESSION 5**

**Human Construction of Publicness as an Emerging Ecology of Spatial Configuration and People's Perception**

*Anirban Adhya*

**Community Perception of Important Landscape Features: The Case of Anchieta, Brazil**

*Eneida Mendonça, Karla Caser, Caio Valli, Ellis Costa*

**Evaluation of Post-Tsunami Community Designs in Sri Lanka**

*Kapila Silva*

MUNICIPAL

4:00PM-5:30PM

AIA/ASLA/APA

**CULTURAL ASPECTS OF DESIGN SYMPOSIUM 4**

**Public Space: Alive and Well in New York and New Jersey?**

*Karen Franck, Te-sheng Huang, Molly Makris, Cara Kronen, Ha Pham, Fathia Elmenghawi, Lynn Paxson*

NORTH ROOM

4:00PM-5:30PM

AIA/APA

**HISTORIC PRESERVATION WORKSHOP**

**Placemaking and Authenticity in Historic Environments**

*Jeremy Wells, Daniel Levi, Sara Kocher, April Allen*

SENECA

4:00PM-5:30PM

AIA/ASLA/APA

**CHILDREN, YOUTH & ENVIRONMENT PAPER SESSION 5**

**Placemaking for Children and Young People in a Hospital Context**

*Kate Bishop*

**Influences of Neighborhood Design on Children's Physical Activity and Independent Mobility**

*Jong Seon Lee*

**The Impact of Acoustical Environmental Design on Children with Autism**

*Shireen Kanakri*

SPRING

4:00PM-5:30PM

AIA/

**MOVEMENT IN DESIGNED ENVIRONMENTS SYMPOSIUM**

**Measuring Thinking, Feeling and Doing: Conscious and Unconscious Influences of Hedonic Commercial Environments on Consumer Decision Making**

*Karen Finlay, Kevin Chang, Karen Finlay, Sue Weidemann, Nate Perkins, Harvey Marmurek*

SUPERIOR

4:00PM-5:30PM

AIA/APA

**CULTURAL ASPECTS OF DESIGN SYMPOSIUM 5**

**Cooking E-B Theories from the Asian "Situ"**

*Hirofumi Minami, Seon-Ah Oh, Wei-Lun Kuo, Sanjoy Mazumdar, Allan Wicker*

MAXWELL'S

6:00PM-7:00PM

**14TH ANNUAL GREAT PLACES AWARDS RECEPTION**

**Sponsored by: University of Washington College of Built Environments**

MADISON BALLROOM

7:00PM-10:00PM

**EDRA AWARDS BANQUET**

EDRA Career Award: Robert Marans

EDRA Service Award: Nana Kirk

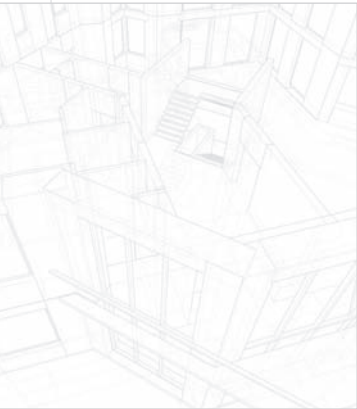
## ACKNOWLEDGEMENTS

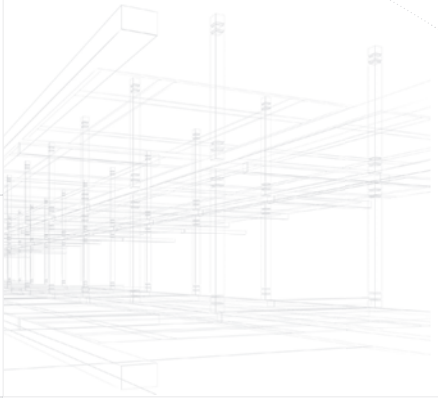
As Conference Co-Chairs we envisioned and planned this year's conference benefiting from the outstanding history of EDRA conferences over the years and the great spirit of citizenship, discovery and connection that EDRA has embodied over the years. We are privileged to have worked with an amazing group of volunteers, who have assisted in making EDRA43Seattle possible, and whom we thank wholeheartedly. We especially thank the Conference Committee members who gave generously of their time, insights and energy to help shepherd the conference and carry on many of the endless tasks:

- Claudia Bernasconi
- Gordon Bradley
- David Fell
- Danny Mittleman
- Kevin Nute
- Elizabeth Vandermark
- Zhe Wang
- Julie Wolfe
- Helena Yoon
- Bo Zhang

Nick Watkins and the EDRA Board have been supportive and encouraging of our EDRA Conference plans, and tasked themselves with many duties to assist us as we moved forward. The Board has been most active and helpful in serving as reviewers when called upon, offering an additional set of eyes in decision making, assisting with brainstorming funding venues, and dedicated work with the Best Paper Award competition. Kathy Demsky, from the EDRA Archives at Andrews University, as always has provided a yeoman effort in assembling and managing the EDRA Book Display. We also gratefully acknowledge the outstanding design work of University of Washington student Pam Emerson, who created the graphic identity for EDRA43Seattle.

Special thanks go Danny Mittleman and Tasoulla Hadjiyanni who offered significant feedback and guidance to ensure a smooth transition between EDRA42 and EDRA43, provided insights for the development of quality measures for submissions and gave valuable assistance with the review process. Both Helena Yoon and Julie Wolfe stepped up to the plate when we needed additional reviewers; they have done thorough and exceptional work with their comments and oversight. Claudia Bernasconi, Zhe Wang and Julie Wolfe spent countless volunteer hours preparing continuing education applications so that each design discipline will be represented this year, and for that we are so appreciative.





This conference would not have come together without the heroic work of Kate O'Donnell, Executive Director, and the members of the EDRA support staff. Kate and her team worked tirelessly and with great professionalism and collegiality to make this conference a success. It has been a pleasure to work with her this past year and we know she will continue to be a great asset for EDRA.

We extend our immense gratitude to the sponsors and exhibitors who have so generously supported this year's conference: University of Washington College of Built Environments; HOK; Rapid Modeling Corporation — Providing Digital Tools for Research and Data Collection; Routledge/Taylor & Francis; and Joel Dames Photography.

EDRA Networks have been deeply involved in the development of this year's program. Network Chairs (and recent past Chairs, and Network designates) making notable contributions were:

- Mallika Bose (Active Living by Design)
- Janet Loebach (Children & Youth Environments)
- Marie-Alice L'Heureux (Cities & Globalization)
- Sanjoy Mazumdar (Cultural Aspects of Design)
- Danny Mittleman (Cyberspace & Digital Environments)
- Saif Haq (EDRAMove)
- Sue Torgrude (EDRAMove)
- Rebecca Kemper (Environment-Gerontology)
- Emily Roberts (Environment-Gerontology)
- David Seamon (Environmental & Architectural Phenomenology)
- Vibhavari Jani (Health)
- Jeremy Wells (Historic Preservation)
- April Allen (Interior Design)
- Cherif Amor (Interior Design)
- Gowri Gulwadi (Nature & Ecology)
- Aaron Hipp (Nature & Ecology)
- Lynn Paxson (Participation)
- Lubomir Popov (POE/Programming)
- Richard Wener (Sustainable Planning, Behavior & Design)
- Tasoulla Hadjiyanni (Residential Environments)
- April Spivack (Work Environments)

Finally, we thank the nearly 200 EDRA members and conference attendees participated in the program review process. They are recognized by name on page 31 in this program and in the Conference Proceedings.

Lynne C. Manzo & Rula Awwad-Rafferty  
EDRA43Seattle Co-Chairs



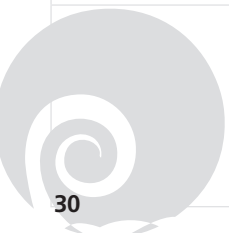
# edra43seattle

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Bo Zhang

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Pam Emerson

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Denise Adams Design

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For more information, visit [www.edra.org](http://www.edra.org).

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