# TABLE OF CONTENTS

Welcome Letter .................................................................................................................. 1  
About Common Ground ................................................................................................... 2  
The Constructed Environment Knowledge Community .................................................. 3  
  International Advisory Board for The Constructed Environment Community .......... 6  
International Journal of the Constructed Environment and Book Series .................... 7  
  Submission Process ....................................................................................................... 9  
  Submission Timeline ..................................................................................................... 9  
  Journal Subscriptions, Open Access, Additional Services ........................................ 10  
  The Constructed Environment Book Imprint ............................................................... 12  
The Constructed Environment Conference .................................................................... 14  
Conference Program and Schedule .............................................................................. 17  
  Daily Schedule ............................................................................................................. 18  
  Conference Highlights ................................................................................................. 19  
  Plenary Speakers ........................................................................................................ 20  
  Graduate Scholars ...................................................................................................... 21  
  Schedule of Sessions .................................................................................................... 23  
  List of Participants ....................................................................................................... 38  
Scholar ............................................................................................................................ 41  
Notes ............................................................................................................................... 43
Dear Delegate,

Welcome to the Fifth International Conference on the Constructed Environment.

The conference will explore the forms and functions of the constructed environment during a time of dramatic and at times disruptive change. The conference is a cross-disciplinary forum which brings together researchers, teachers, and practitioners to discuss the past character and future shape of the built environment. The resulting conversations weave between the theoretical and the empirical, research and application, market pragmatics and social idealism.

In professional and disciplinary terms, the conference traverses a broad sweep to construct a transdisciplinary dialogue which encompasses the perspectives and practices of: architecture, anthropology, business, design, economics, education, engineering, environmental design, industrial design, interior design, landscape architecture, sociology, town and regional planning, and transportation.

In addition to organizing the Constructed Environment Conference, Common Ground publishes papers from the conference at http://constructedenvironment.com/publications/journal. We encourage all conference participants to submit an article based on their conference presentation for peer review and possible publication in the journal. We also publish books at http://constructedenvironment.com/publications/books, in both print and electronic formats. We invite conference participants to develop publishing proposals for original works, or for edited collections of papers drawn from the journal which address an identified theme.

We thank all those who have contributed to the success of this conference. A personal thank you goes to our Host, Professor Jeffery S. Poss, and to our Common Ground colleagues who have put such a significant amount of work into this conference: Emily Kasak, Dana Modrowski, and Jessica Wienhold-Brokish.

We wish you all the best for this conference, and hope it will provide you every opportunity for dialogue with colleagues from around the corner and around the world.

Yours Sincerely,

Bill Cope
Director, Common Ground Publishing
Professor, Educational Policy, Organizational, and Leadership
University of Illinois at Urbana-Champaign, USA
COMMON GROUND

ABOUT COMMON GROUND

Our Mission
Common Ground Publishing aims to enable all people to participate in creating collaborative knowledge and to share that knowledge with the greater world. Through our academic conferences, peer-reviewed journals and books, and innovative software, we build transformative knowledge communities and provide platforms for meaningful interactions across diverse media.

Our Message
Heritage knowledge systems are characterized by vertical separations—of discipline, professional association, institution, and country. Common Ground identifies some of the pivotal ideas and challenges of our time and builds knowledge communities that cut horizontally across legacy knowledge structures. Sustainability, diversity, learning, the future of the humanities, the nature of interdisciplinarity, the place of the arts in society, technology’s connections with knowledge, the changing role of the university—these are deeply important questions of our time which require interdisciplinary thinking, global conversations, and cross-institutional intellectual collaborations. Common Ground is a meeting place for these conversations, shared spaces in which differences can meet and safely connect—differences of perspective, experience, knowledge base, methodology, geographical or cultural origins, and institutional affiliation. We strive to create the places of intellectual interaction and imagination that our future deserves.

Our Media
Common Ground creates and supports knowledge communities through a number of mechanisms and media. Annual conferences are held around the world to connect the global (the international delegates) with the local (academics, practitioners, and community leaders from the host community). Conference sessions include as many ways of speaking as possible to encourage each and every participant to engage, interact, and contribute. The journals and book series offer fully-refereed academic outlets for formalized knowledge, developed through innovative approaches to the processes of submission, peer review, and production. The knowledge community also maintains an online presence—through presentations on our YouTube channel, monthly email newsletters, as well as Facebook and Twitter feeds. And Common Ground’s own software, Scholar, offers a path-breaking platform for online discussions and networking, as well as for creating, reviewing, and disseminating text and multi-media works.
THE CONSTRUCTED ENVIRONMENT KNOWLEDGE COMMUNITY

The Constructed Environment knowledge community is dedicated to the concept of independent, peer-led groups of scholars, researchers, and practitioners working together to build bodies of academic knowledge related to topics of critical importance to society at large. Focusing on the intersection of academia and social impact, The Constructed Environment knowledge community brings an interdisciplinary, international perspective to discussions of new developments in the field, including research, practice, policy, and teaching.

Themes

Theme 1: Design and Planning Processes
Addresses the ways in which the built environment is conceptualized, competing interests negotiated, and plans represented.

- Design disciplines and practices in transition: architecture, engineering, industrial design, landscape architecture
- Science in the service of technology
- Information, design and modeling technologies
- Town and regional planning
- Local government in the planning process
- Transportation modes and structures: reconfiguring flows
- Parks in urban spaces
- Designing interior spaces
- Information flows in the constructed environment
- ‘Virtual’ space and ‘real’ space
- Form and function in space: how aesthetics relates to function
- Project planning
- Inclusive design: design for human needs, sensitive to human differences, affirming rights to access
- Involving stakeholders: participatory design
- Consultation, negotiation and consensus building in the (re)design of the constructed environment.
- Aesthetic paradigms: classicism, modernism, postmodernism, constructivism and other ‘isms’

Theme 2: Building Processes
Examining the processes of constructing buildings and creating landscapes.

- Building construction
- Landscape construction
- Spaces and sites of construction: urban, greenfield, rural, remote
- From design studio to construction site: design and project planning
- Project management processes and practices
- Construction activities, processes and flows
- Time cycles, process transparency, quality management and efficiencies
- Efficiencies: prefabrication and modularization
- The construction of access to wild spaces
- Building and construction regulation

Theme 3: Environmental Impacts
Exploring questions of sustainability in the constructed environment.

- Materials, construction and environmental sciences
- Helping structures change, grow or end their useable lives—adaptations, renovations and recycling
- Green construction, sustainable building practices
- LEED and other environmental certifications
- Energy sources and destinations: reconfiguring grids
- Water needs and sources: refiguring demand and access
- Natural movements: floods, droughts, earthquakes and other acts of nature
Waste creation, transportation and recycling or disposal
Determining footprints: environmental impact analyses

**Theme 4: Social Impacts**
Investigating the social life of constructed environments.

- Functions of construction: housing, commercial, public, community
- Habitats: home, work, civic, business, natural
- Spatial cultures: the ethnography of space
- Cultural diversity and the built environment
- Gender and the built environment
- Disabilities and corporeal differences in the built environment
- Heritage values and practices in design, architecture and construction
- Addressing inequality and poverty in the built environment
- The global and the local: applying human and material resources
- Values, ethics and aesthetics in environmental decision making
- Leadership and management in the constructed environment
- Education and training for workers in the constructed environment
- Values and ethics in the constructed and natural environments
- Research and evaluation methods in the constructed environment
- Law and regulation in and for the constructed and natural environments
- Human resources and workforces in the building and environment sectors
- Needs assessment and analysis
- Social impact analyses

**Scope and Concerns**

**Construction Functions**
The constructed environment relates people to spaces through built forms. In one sense, the functions of construction are visceral, arising from one of the most elemental needs of our species, the need for shelter. In another sense, they involve some of the most elaborate forms of artifice—varieties of materials, complex engineering, infrastructures of technical interconnection, relationships to nature, and an infinite variety of functions to meet the endless range of human interests and proclivities.

**Constructing Aesthetics**
‘Form follows function’, proclaimed the modernists of the twentieth century. However, others have said before and since that aesthetics is a distinct domain of representation, not necessarily or entirely determined by function. Even when form follows function, there is an aesthetic. Even when we might claim an aesthetic is a travesty, or that there has been no attention to aesthetic, the aesthetic nevertheless persists. Broadly conceived, the aesthetic is disposition, sensibility, orientation, stance—apart from or, in addition to, function.

**Environment Footprints**
The built environment is inevitably in dialogue with nature. Nature provides its material sources. And the built environment invariably articulates with nature—whether that relationship is carefully premeditated or casually circumstantial. Construction has an impact; it creates a footprint in its environment. In our century, concerns for the relationship of humans to environment increasingly deploy the rubric of sustainability. Is a practice environmentally profligate or prudent? Articulation with the environment has become one of the fundamental concerns of our times.

**Human Impacts**
As a human construction, our various design and fabrication practices shape our lives. The physical forms they leave a humanistic legacy. However, our human experiences and interests are irreducibly diverse. So how does a constructed environment affect different people differentially? How can it be sensitively appropriate to their varied needs? How can it be inclusive? How can potentially negative impacts be anticipated for some people and in some environmental contexts. How can risks be reduced and negative impacts mitigated? How can a constructed environment be designed and made in such a way that it best serves the panoply of human needs?
Community Membership
Annual membership to The Constructed Environment community is included in your conference registration. As a community member, you have access to a broad range of tools and resources to use in your own work: electronic access to the full journal and book collections; a full Scholar account, offering an innovative online space for collaborative learning in your classes or for broader collaborative interaction with colleagues (within a research project or across the globe); and annual conferences where you can present your work and engage in extensive interactions with others with similar interests who also bring different perspectives. And you can contribute to the development and formalization of the ideas and works of others—as a journal or book reviewer, as a conference participant, and as a contributor to the newsletters and community dialogue. Benefits include:

- Personal electronic subscription to the complete journal collection for one year after the conference (all past and current issues).
- Personal electronic subscription to the book series for one year after the conference.
- One article submission per year for peer review and possible publication in any of the journals in the collection.
- Participation as a reviewer in the peer review process and the potential to be listed as an Associate Editor of the journal after reviewing three or more articles.
- Subscription to the monthly community email newsletter, containing news and information for and from the knowledge community.
- Ability to add a video presentation to the community YouTube channel, whether or not it was presented in person at the conference or is published in the journal.
- Access to the Scholar "social knowledge" platform: free use of Scholar as your personal profile and publication portfolio page, as a place to interact with peers and forms communities that avoids the clutter and commercialism of other social media, with optional feeds to Facebook and Twitter.
- Use Scholar in your classes—for class interactions in its Community space, multimodal student writing in its Creator space, and managing student peer review, assessment, and sharing of published students’ works in its Publisher space. Contact us to request Publisher permissions for Scholar.

Engaging in the Community

Present and Participate in the Conference
You have already begun your engagement in the community by attending the conference, presenting your work, and interacting face-to-face with other members. We hope this experience provides a valuable source of feedback for your current work and the possible seeds for future individual and collaborative projects, as well as the start of a conversation with community colleagues that will continue well into the future.

Publish Journal Articles or Books
We encourage you to submit an article for review and possible publication in The Constructed Environment Journal. In this way, you may share the finished outcome of your presentation with other participants and members of The Constructed Environment community. As a member of the community, you will also be invited to review others’ work and contribute to the development of the community knowledge base as an Associate Editor. As part of your active membership in the community, you also have online access to the complete works (current and previous volumes) of The Constructed Environment Journal and to the book series. We also invite you to consider submitting a proposal for the book series.

Engage through Social Media
There are several methods for on going communication and networking with community colleagues:

- Email Newsletters: Published monthly, these contain information on the conference and publishing, along with news of interest to the community. Contribute news or links with a subject line ‘Email Newsletter Suggestion’ to support@constructedenvironment.com.
- Scholar: Common Ground’s path-breaking platform that connects academic peers from around the world in a space that is modulated for serious discourse and the presentation of knowledge works. To learn more about Scholar, go to the back of the program book.
- Facebook: Comment on current news, view photos from the conference, and take advantage of special benefits for community members at: http://www.facebook.com/ConstructedEnvironment.CG.
- Twitter: Follow the community: @constructedenvi.
- YouTube Channel: View online presentations or contribute your own at http://constructedenvironment.com/the-conference/types-of-conference-sessions/online-presentations.
INTERNATIONAL ADVISORY BOARD FOR THE CONSTRUCTED ENVIRONMENT COMMUNITY

- Kathryn H. Anthony, The Illinois School of Architecture, University of Illinois at Urbana-Champaign, USA
- Naima Chabbi-Chermouk, Ecole Polytechnique d’Architecture et d’Urbanisme, Algiers, Algeria
- Tracy S. Harris, The American Institute of Architects, Washington, DC, USA
- Erik Hemingway, hemingway+a/studio, Chicago and The Illinois School of Architecture, University of Illinois at Urbana-Champaign, USA
- Aaron Levy, Slought Foundation and University of Pennsylvania, Philadelphia, USA
- Jeffery S. Poss, FAIA, The Illinois School of Architecture, University of Illinois at Urbana-Champaign, USA
INTERNATIONAL JOURNAL OF THE CONSTRUCTED ENVIRONMENT AND BOOK SERIES

About Our Publishing Approach

For three decades, Common Ground Publishing has been committed to creating meeting places for people and ideas. With 24 knowledge communities, Common Ground’s vision is to provide platforms that bring together individuals of varied geographical, institutional, and cultural origins in spaces where renowned academic minds and public thought leaders can connect across fields of study. Each knowledge community organizes an annual academic conference and is associated with a peer-reviewed journal (or journal collection), a book imprint, and a social media space centered around Common Ground’s pathbreaking ‘social knowledge’ space, Scholar.

Through its publishing practices, Common Ground aims to foster the highest standards in intellectual excellence. We are highly critical of the serious deficiencies in today’s academic journal system, including the legacy structures and exclusive networks that restrict the visibility of emerging scholars and researchers in developing countries, as well as the unsustainable costs and inefficiencies associated with traditional commercial publishing.

In order to combat these shortcomings, Common Ground has developed an innovative publishing model. Each of Common Ground’s knowledge communities organizes an annual academic conference. The registration fee that conference participants pay in order to attend or present at these conferences enables them to submit an article to the associated journal at no additional cost. Scholars who cannot attend the conference in-person may still participate virtually and submit to the journal by obtaining a community membership, which also allows them to upload a video presentation to the community’s YouTube channel. By using a portion of the conference registration and membership fees to underwrite the costs associated with producing and marketing the journals, Common Ground is able to keep subscription prices low, thus guaranteeing greater access to our content. All conference participants and community members are also granted a one-year complimentary electronic subscription to the journal associated with their knowledge community. This subscription provides access to both the current and past volumes of the journal. Moreover, each article that we publish is available for a $5 download fee to non-subscribers, and authors have the choice of publishing their paper open access to reach the widest possible audience and ensure the broadest access possible.

Common Ground’s rigorous peer review process also seeks to address some of the biases inherent in traditional academic publishing models. Our pool of reviewers draws on authors who have recently submitted to the journal, as well as volunteer reviewers whose CVs and academic experience have been evaluated by Common Ground’s editorial team. Reviewers are assigned to articles based on their academic interests and expertise. By enlisting volunteers and other prospective authors as peer reviewers, Common Ground avoids the drawbacks of relying on a single editor’s professional network, which can often create a small group of gatekeepers who get to decide who and what gets published. Instead, Common Ground harnesses the enthusiasm of its conference delegates and prospective journal authors to assess submissions using a criterion-referenced evaluation system that is at once more democratic and more intellectually rigorous than other models. Common Ground also recognizes the important work of peer reviewers by acknowledging them as Associate Editors of the volumes to which they contribute.

For over ten years, Common Ground has been building web-based publishing and social knowledge software where people can work closely to collaborate, create knowledge, and learn. The third and most recent iteration of this project is the innovative social knowledge environment, Scholar. Through the creation of this software, Common Ground has sought to tackle what it sees as changing technological, economic, distributional, geographic, interdisciplinary and social relations to knowledge. For more information about this change and what it means for academic publishing, refer to The Future of the Academic Journal, edited by Bill Cope and Angus Phillips (Elsevier 2009).

We hope that you will join us in creating dialogues between different perspectives, experiences, knowledge bases, and methodologies through interactions at the conference, conversations online, and as fully realized, peer-reviewed journal articles and books.
The Constructed Environment Journal
The International Journal of the Constructed Environment – ISSN: 2154-8587 (Print) ISSN: 2154-8595 (Online)

Journal Editor
Jeffery S. Poss—FAIA, School of Architecture, University of Illinois at Urbana-Champaign, USA

Publication Frequency
4 issues per volume; articles are published continuously online.

Acceptance Rate
24%

Circulation
147,602

Foundation Year
2011
SUBMISSION PROCESS

Every conference delegate with an accepted proposal is eligible and invited to submit an article to The International Journal of the Constructed Environment. Full articles can be submitted using Common Ground’s online conference and article management system CGPublisher. Below please find step-by-step instructions on the submission process.

1. Submit a presentation proposal to the conference (in-person or virtual).

2. Once your conference proposal or paper abstract has been accepted, you may submit your article to the journal by clicking “add a paper” from your proposal/abstract page. You may upload your article anytime between the first and the final submission deadlines, which can be found on the next page.

3. Once your article is received, it is verified against template and submission requirements. Your identity and contact details are then removed, and the article is matched to two appropriate reviewers and sent for review. You can view the status of your article at any time by logging into your CGPublisher account at www.CGPublisher.com.

4. When reviewer reports are uploaded, you will be notified by email and provided with a link to view the reports (after the reviewers’ identities have been removed).

5. If your article has been accepted, you will be asked to accept the Publishing Agreement and submit a final copy of your article. If your paper is accepted with revisions, you will be asked to submit a change note with your final submission, explaining how you revised your article in light of the reviewers’ comments. If your article is rejected, you may resubmit it once, with a detailed change note, for review by new reviewers.

6. Accepted articles will be typeset and the proofs will be sent to you for approval before publication.

7. Individual articles may be published online first with a full citation. Full issues follow at regular, quarterly intervals. All issues are published 4 times per volume (except the annual review, which is published once per volume).

8. Registered conference participants will be given online access to the journal from the time of registration until one year after the conference end date. Individual articles are available for purchase from the journal’s bookstore. Authors and peer reviewers may order hard copies of full issues at a discounted rate.

SUBMISSION TIMELINE

You may submit your final article for publication to the journal at any time. The first deadline to submit your article for publication to Volume 6 is as follows:

January 15, 2015

Note: Please feel free to submit at any time. If your article is submitted after the deadline for Volume 5, it will be considered for Volume 6. However, the sooner you submit, the sooner your article will begin the peer review process. Also, as we publish ‘web first’, early submission will mean that your article will be published as soon as it is ready, even if that is before the full issue is published.

For More Information, Please Visit:

http://constructedenvironment.com/submitting-your-work/journal-articles/submission-process
JOURNAL SUBSCRIPTIONS, OPEN ACCESS, ADDITIONAL SERVICES

Institutional Subscriptions
Common Ground offers print and electronic subscriptions to all of its journals. Subscriptions are available to The International Journal of the Constructed Environment and to custom suites based on a given institution’s unique content needs. Subscription prices are based on a tiered scale that corresponds to the full-time enrollment (FTE) of the subscribing institution. You may use the Library Recommendation form in the back of this pamphlet to recommend that your institution subscribe to The International Journal of the Constructed Environment.

Personal Subscriptions
As part of their conference registration, all conference participants (both virtual and in-person) have a one-year online subscription to The International Journal of the Constructed Environment. This complimentary personal subscription grants access to both the current volume of The International Journal of the Constructed Environment as well as the entire backlist. The period of complimentary access begins at the time of registration and ends one year after the close of the conference. After that time, delegates may purchase a personal subscription. To view articles, go to http://ijv.cgpublisher.com. Select the “Login” option and provide a CGPublisher username and password. Then, select an article and download the PDF. For lost or forgotten login details, select “forgot your login” to request a new password.

For more information, please visit:
http://constructedenvironment.com/publications/journal/subscriptions-and-orders or contact us at journals@commongroundpublishing.com.

Hybrid Open Access
The International Journal of the Constructed Environment is Hybrid Open Access. Hybrid Open Access is an option increasingly offered by both university presses and well-known commercial publishers.

Hybrid Open Access means that some articles are available only to subscribers, while others are made available at no charge to anyone searching the web. Authors pay an additional fee for the open access option. They may do this because open access is a requirement of their research funding agency. Or they may do it so that non-subscribers can access their article for free.

Common Ground’s open access charge is $250 per article, a very reasonable price compared to our hybrid open access competitors and purely open access journals that are resourced with an author publication fee. Electronic papers are normally only available through individual or institutional subscriptions or for purchase at $5 per article. However, if you choose to make your article Open Access, this means that anyone on the web may download it for free.

There are still considerable benefits for paying subscribers, because they can access all articles in the journal, from both current and past volumes, without any restrictions. But making your paper available at no charge increases its visibility, accessibility, potential readership, and citation counts. Open access articles also generate higher citation counts.

For more information or to make your article Open Access, please contact us at support@commongroundpublishing.com.

Institutional Open Access
Common Ground is proud to announce an exciting new model of scholarly publishing called Institutional Open Access.

Institutional Open Access allows faculty and graduate students to submit articles to Common Ground journals for unrestricted open access publication. These articles will be freely and publicly available to the whole world through our hybrid open access infrastructure. With Institutional Open Access, instead of the author paying a per-article open access fee, institutions pay a set annual fee that entitles their students and faculty to publish a given number of open access articles each year.

The rights to the articles remain with the subscribing institution. Both the author and the institution can also share the final typeset version of the article in any place they wish, including institutional repositories, personal websites, and privately or publicly accessible course materials. We support the highest Sherpa/Romeo access level—Green.

For more information on Institutional Open Access or to put us in touch with your department head or funding body, please contact us at support@commongroundpublishing.com.
Editing Services

Common Ground offers editing services for authors who would like to have their work professionally copyedited. These services are available to all scholarly authors, whether or not they plan to submit their edited article to a Common Ground journal.

Authors may request editing services prior to the initial submission of their article or after the review process. In some cases, reviewers may recommend that an article be edited as a condition of publication. The services offered below can help authors during the revision stage, before the final submission of their article.

What We Do

• Correct spelling, grammatical, and punctuation errors in your paper, abstract, and author biography.
• Revise for clarity, readability, logic, awkward word choice, and phrasing.
• Check for typos and formatting inconsistencies.
• Confirm proper use of The Chicago Manual of Style.

The Editing Process

• Email us at support@commongroundpublishing.com to express your interest in having your article edited.
• The charge for the editorial service charge is USD $0.05 per word.
• Within 14-21 business days of your confirmed payment, you will receive an edited copy of your edited article via email. We can also upload the edited copy for you, and any pending submission deadlines will be altered to accommodate your editing timeline.

Contact us at support@commongroundpublishing.com to request a quote or for further information about our services.

Citation Services

Common Ground requires the use of the sixteenth edition of the Chicago Manual of Style for all submitted journal articles. We are pleased to offer a conversion service for authors who used a different scholarly referencing system. For a modest fee, we will convert your citations to follow the Chicago Manual of Style guidelines.

What We Do

• Change references—internal citations and end-of-article references—to confirm proper use of the sixteenth edition of The Chicago Manual of Style, using either the author-date or notes and bibliography format of The Chicago Manual of Style.
• Check for typos and formatting inconsistencies within the citations.

The Conversion Process

• Email us at support@commongroundpublishing.com to express your interest in having your references converted.
• For articles under 5,499 words (excluding titles, subtitles, and the abstract), the charge for reference conversion is $50. If your article is more than 5,000 words, please contact us for a quote.
• Within 14-21 business days of your confirmed payment, you will receive a copy of your article with the revised references. We can also upload the revised copy for you, and any pending submission deadlines will be altered to accommodate the conversion timeline.

Contact us at support@commongroundpublishing.com to request a quote or for further information about our services.

Translation Services

Common Ground is pleased to offer translation services for authors who would like to have their work translated into or from Spanish or Portuguese. Papers that have undergone peer review and been accepted for publication by one of Common Ground’s journals are eligible for this translation service. Papers can be translated from Spanish or Portuguese into English and published in one of Common Ground’s English-language journals. Or they may be translated from English into either Spanish or Portuguese and be published in one of Common Ground’s Spanish and Portuguese-language academic journals. In this way we offer authors the possibility of reaching a much wider audience beyond their native language, affirming Common Ground’s commitment towards full internationality, multiculturalism, and multilingualism. All translations are done by certified professional translators with several years of experience, who are highly educated, and have excellent writing skills.

The Process

• Contact support@commongroundpublishing.com to express your interest in having your article translated.
• Our editorial team will review your article and provide you with a quote based on the paper’s word count.
• Once you accept the quote, a translator will be assigned to your article.
• Within 14-21 business days of your confirmed payment, you will receive a draft of your translated article. You will have a chance to communicate with the translator via the draft using Word’s “track changes” function. Based on that communication, the translator will supply you with a final copy of your translated article.
Common Ground is setting new standards of rigorous academic knowledge creation and scholarly publication. Unlike other publishers, we’re not interested in the size of potential markets or competition from other books. We’re only interested in the intellectual quality of the work. If your book is a brilliant contribution to a specialist area of knowledge that only serves a small intellectual community, we still want to publish it. If it is expansive and has a broad appeal, we want to publish it too, but only if it is of the highest intellectual quality.

We welcome proposals or completed manuscript submissions of:

- Individually and jointly authored books
- Edited collections addressing a clear, intellectually challenging theme
- Collections of articles published in our journals
- Out-of-copyright books, including important books that have gone out of print and classics with new introductions

**Book Proposal Guidelines**

Books should be between 30,000 and 150,000 words in length. They are published simultaneously in print and electronic formats and are available through Amazon and as Kindle editions. To publish a book, please send us a proposal including:

- Title
- Author(s)/editor(s)
- Draft back-cover blurb
- Author bio note(s)
- Table of contents
- Intended audience and significance of contribution
- Sample chapters or complete manuscript
- Manuscript submission date

Proposals can be submitted by email to books@commongroundpublishing.com. Please note the book imprint to which you are submitting in the subject line.

**Call for Book Reviewers**

Common Ground Publishing is seeking distinguished peer reviewers to evaluate book manuscripts submitted to The Constructed Environment Book Imprint.

As part of our commitment to intellectual excellence and a rigorous review process, Common Ground sends book manuscripts that have received initial editorial approval to peer reviewers to further evaluate and provide constructive feedback. The comments and guidance that these reviewers supply is invaluable to our authors and an essential part of the publication process.

Common Ground recognizes the important role of reviewers by acknowledging book reviewers as members of The Constructed Environment Book Imprint Editorial Review Board for a period of at least one year. The list of members of the Editorial Review Board will be posted on our website.

If you would like to review book manuscripts, please send an email to books@commongroundpublishing.com with:

- A brief description of your professional credentials
- A list of your areas of interest and expertise
- A copy of your CV with current contact details

If we feel that you are qualified and we require refereeing for manuscripts within your purview, we will contact you.
Recent Books Published by Common Ground

These and other books are available at http://theuniversitypressbooks.cgpublisher.com/

**Democracy and Democratization in Africa**

Lembe Tiky

This book is a comprehensive study that investigates political developments in African colonial and postcolonial states. The research finds that centralized and decentralized African states designed and implemented democratic institutions hundreds of years before they were ultimately defeated by European powers.

**Cityscapes: World Cities and Their Cultural Industries**

Asunción López-Varela (ed.)

With over thirty contributions, Cityscapes places emphasis on the role of history, collective memory, and artistic representations of the semio-cultural production of urban spaces. This volume offers counter-narratives to the utopian/dystopian polarization, and analyzes urbanism as a way of life, contemplating cities as lived environments.
THE CONSTRUCTED ENVIRONMENT CONFERENCE

Conference Principles and Features

The structure of the conference is based on four core principles that pervade all aspects of the knowledge community:

International
This conference travels around the world to provide opportunities for delegates to see and experience different countries and locations. But more importantly, The Constructed Environment Conference offers a tangible and meaningful opportunity to engage with scholars from a diversity of cultures and perspectives. This year, delegates from over 31 countries are in attendance, offering a unique and unparalleled opportunity to engage directly with colleagues from all corners of the globe.

Interdisciplinary
Unlike association conferences attended by delegates with similar backgrounds and specialties, this conference brings together researchers, practitioners, and scholars from a wide range of disciplines who have a shared interest in the themes and concerns of this community. As a result, topics are broached from a variety of perspectives, interdisciplinary methods are applauded, and mutual respect and collaboration are encouraged.

Inclusive
Anyone whose scholarly work is sound and relevant is welcome to participate in this community and conference, regardless of discipline, culture, institution, or career path. Whether an emeritus professor, graduate student, researcher, teacher, policymaker, practitioner, or administrator, your work and your voice can contribute to the collective body of knowledge that is created and shared by this community.

Interactive
To take full advantage of the rich diversity of cultures, backgrounds, and perspectives represented at the conference, there must be ample opportunities to speak, listen, engage, and interact. A variety of session formats, from more to less structured, are offered throughout the conference to provide these opportunities.

Session Descriptions

Plenary Sessions
Plenary speakers, chosen from among the world’s leading thinkers, offer formal presentations on topics of broad interest to the community and conference delegation. One or more speakers are scheduled into a plenary session, most often the first session of the day. As a general rule, there are no questions or discussion during these sessions. Instead, plenary speakers answer questions and participate in informal, extended discussions during their Garden Sessions.

Garden Sessions
Garden Sessions are informal, unstructured sessions that allow delegates a chance to meet plenary speakers and talk with them at length about the issues arising from their presentation. When the venue and weather allow, we try to arrange for a circle of chairs to be placed outdoors.

Talking Circles
Held on the first day of the conference, Talking Circles offer an early opportunity to meet other delegates with similar interests and concerns. Delegates self-select into groups based on broad thematic areas and then engage in extended discussion about the issues and concerns they feel are of utmost importance to that segment of the community. Questions like “Who are we?”, “What is our common ground?”, “What are the current challenges facing society in this area?”, “What challenges do we face in constructing knowledge and effecting meaningful change in this area?” may guide the conversation.
**Paper Presentations**

Paper presentations are grouped by general themes or topics into sessions comprised of three, four, or five presentations followed by group discussion. Each presenter in the session makes a formal twenty-minute presentation of their work; Q&A and group discussion follow after all have presented. Session Chairs introduce the speakers, keep time on the presentations, and facilitate the discussion. Each presenter’s formal, written paper will be available to participants if accepted to the journal.

**Colloquium**

Colloquium sessions are organized by a group of colleagues who wish to present various dimensions of a project or perspectives on an issue. Four or five short formal presentations are followed by commentary and/or group discussion. A single article or multiple articles may be submitted to the journal based on the content of a colloquium session.

**Workshop/Interactive Session**

Workshop sessions involve extensive interaction between presenters and participants around an idea or hands-on experience of a practice. These sessions may also take the form of a crafted panel, staged conversation, dialogue or debate—all involving substantial interaction with the audience. A single article (jointly authored, if appropriate) may be submitted to the journal based on a workshop session.

**Poster Sessions**

Poster sessions present preliminary results of works in progress or projects that lend themselves to visual displays and representations. These sessions allow for engagement in informal discussions about the work with interested delegates throughout the session.

**Virtual Presentations**

If unable to attend the conference in person, an author may choose to submit a virtual presentation. Opportunities and formats vary but may be a presentation through our YouTube channel or an online discussion with interested delegates at the conference. Abstracts of these presentations are included in the online “session descriptions,” and an article may be submitted to the journal for peer review and possible publication, according to the same standards and criteria as all other journal submissions.
CONFERENCE PROGRAM AND SCHEDULE
DAILY SCHEDULE

Thursday, 16 October

08:15–09:00 Conference Registration Desk Open
09:00–09:30 Conference Opening—Jeffery S. Poss, FAIA, University of Illinois at Urbana-Champaign, USA
09:30–10:15 Talking Circles
10:15–10:25 Transitional Break
10:25–11:00 Plenary Session—Winka Dubbeldam, PennDesign, Philadelphia and Archi-Tectonics, New York City, USA
11:00–11:30 Garden Conversation and Coffee Break—Featuring Winka Dubbeldam
11:30–12:20 Lunch
12:20–14:20 Parallel Sessions
14:20–14:35 Coffee Break
14:35–15:05 Poster Sessions
15:05–15:15 Transitional Break
15:15–16:55 Parallel Sessions
18:30–21:00 Welcome Reception and Artist Talk at Slought Foundation

Friday, 17 October

08:45–09:00 Host Remarks
09:00–09:35 Plenary Session—Daniel A. Barber, PennDesign, Philadelphia, USA
09:35–10:10 Plenary Session—Sally Harrison, Temple University, Philadelphia, USA
10:10–10:40 Garden Conversation and Coffee Break—Featuring Daniel A. Barber and Sally Harrison
10:40–12:20 Parallel Sessions
12:20–13:20 Lunch
13:20–15:00 Parallel Sessions
15:00–15:15 Coffee Break
15:15–16:55 Parallel Sessions
17:00–17:30 Closing Session
18:30–20:30 Conference Dinner at Frankford Hall
CONFERENCE HIGHLIGHTS

Special Events

Pre-Conference Walking Tour – “Emergence of a Modern Metropolis: Philadelphia”
Wednesday, 15 October
14:30-16:30 (2:30-4:30 PM)

Experience the transformation of Philadelphia from an engine of industry to a 21st century capital of business and culture. This tour explores Philadelphia's diverse range of architectural styles and building technologies from the 1860s to the present, detailing the social, economic, and political forces that shaped the modern cityscape.

Welcome Reception and Artist Talk
Thursday, 16 October
18:30-21:00 (6:30-9:00 PM)
Slought Foundation (Address: 4017 Walnut St, Philadelphia, PA 19104)

The Constructed Environment Conference and the Slought Foundation invite you to join colleagues for a Welcome Reception, exhibition, and In-Conversation with Rosalyn Deutsche and Judith Barry of...Cairo Stories. This is an excellent opportunity to network and get to know your fellow delegates, and all delegates are welcome to attend and enjoy complimentary refreshments.

The Welcome Reception will be hosted at the Slought Foundation (a 15-minute walk from the conference venue). The reception will feature an "In Conversation" with Rosalyn Deutsche and Judith Barry, as well as the Executive Director of the Slought Foundation, Aaron Levy. ...Cairo Stories is a project by Judith Barry that explores the many different ways women negotiate ideological, cultural, and economic conditions in Cairo.

The Slought Foundation:
Housed in a former Deco/Beaux-Arts bank from 1924 and designed by architect George Kingsley, Slought ('Sl-aw-t') is a non-profit organization that engages publics in dialogue about cultural and socio-political change in Philadelphia, the world, and the cloud. We are a new form of institution that builds relationships and social trust through collaboration and the exchange of ideas. For over a decade, we have worked with artists, communities, and institutions worldwide to develop projects that encourage inclusiveness, advocacy, and the sharing of knowledge.

Conference Dinner at Frankford Hall German Beer Garden
Friday, 17 October
18:30-20:30 (6:30-8:30 PM)
Frankford Hall (Address: 1210 Frankford Ave, Philadelphia, PA 19125)

To confirm your ticket or register for this event, please visit the conference registration desk.

Frankford Hall embodies the spirit of an open-air German “biergarten” presented with a modern twist. Set in an industrial structure, the space creates a unique urban experience in the Fishtown area of northern Philadelphia. Located in a formerly abandoned industrial building, the local architecture firm–Stokes Architecture–took advantage of the building’s intrinsically rich and textured interior throughout their design. Rough exposed brick and chipped away stucco were left alone, and the raw industrial aesthetic of the original building remained the primary focus of the new design. With 12 beers on tap, 12 more in bottles and giant, warm pretzels, the true essence of Bavaria is represented at its best in this Fishtown fun spot.

Menu includes:
- Large Bavarian Pretzel with Obatzda Cheese Sauce
- Cucumber, Sour Cream, and Dill Salad
- Choice of main, served with Spaetzle, Gravy, and Sauerkraut:
  - Weisswurst-Veal and Pork Sausage
  - Frankford Classic Cheeseburger
- or-
  - Vegetarian-Tofurkey Beer Brat
- Specialty Cupcakes
- Drinks, taxes, gratuity
PLENARY SPEAKERS

Daniel A. Barber

Barber is an architectural historian with a research interest in the relationship between the design fields and the emergence of global environmental culture across the 20th century. He received a PhD in Architecture History and Theory from Columbia University and a Master of Environmental Design from Yale University. He was recently a post-doctoral research fellow at the Harvard University Center for the Environment and Graduate School of Design and has held visiting positions at Oberlin College, Barnard College, and the University of Auckland, New Zealand. His current research looks at the role of architectural technologies in the infrastructural and territorial transformations of the immediate post-World War II period in the United States. His current book project, A House in the Sun: Modern Architecture and Solar Energy in the Cold War, documents the brief but dynamic interest in solar houses in the 1940s and 50s; he has also published recently on connections between architectural design methods and climate science. He approaches research and teaching from an interdisciplinary perspective, integrating narratives and methods from histories of technology, science, politics, economics, and environmentalism. Barber has presented papers and chaired panels in numerous disciplinary and interdisciplinary contexts and has lectured internationally.

Winka Dubbeldam

Dubbeldam is a seasoned academic and design leader, teaching advanced architectural design studios at Columbia University and Harvard University and serving as Practice Professor and Director of the Post-Professional Program at PennDesign, where she has gathered an international network of innovative research and design professionals. The MArch2 provides students with innovative design skills, cutting edge theoretical and technological knowledge, and the analytic, interpretive, and writing skills necessary for a productive and innovative career in the field of Architecture. The Dutch architect and founder/principal of the New York firm Archi-Tectonics, is widely known for her award-winning work, recognized as much for its use of hybrid sustainable materials and smart building systems as for its elegance and innovative structures. Recent projects include the Greenwich Building and V33 building, both in NYC, the Ports1961 flagship retail store in Paris, London and Shanghai, the American Loft Building in Philadelphia, and a probono design for an orphanage and school she is creating in Liberia, Africa. Winka also runs a design-research team to re-invigorate Downtown Bogota, and recently won the Yulin Design Competition in China. Archi-Tectonics’ work ranges from residential to commercial, from real to virtual and is realized in urban designs, architectures, and installations. The firm’s use of hybrid sustainable materials and smart building systems is widely noted and its award-winning work is recognized for its elegance and innovative structures. The firm’s conceptual design of the “breathing” Holon Tower was recently featured as part of ”Augmented Reality” at Gallery R’Pure in New York, following its premiere in Paris and joins works by BIG, Dominique Perrault, Grimshaw, HWKN, J. Mayer H., Jakob + MacFarlane, Joe Doucet Studio, REX and SO-IL.

Sally Harrison

Sally Harrison is a Registered Architect in Pennsylvania. She has professional and teaching expertise in social impact design, sustainable urban design, and urban history/theory. She is the director and co-founder of The Urban Workshop, an interdisciplinary university-based practice that undertakes collaborative, community-centered research and design in underserved postindustrial neighborhoods. Professor Harrison’s design and scholarship is published in numerous books and journals and has been recognized in national, international, and regional design awards programs. Harrison’s work has been presented in Designed for Habitat: Collaborations with Habitat for Humanity (Routledge, 2013). Other authored publications include “Trans-activism in Design: A Case Study”, in CHANGE, Architecture, Education, Practices (ACSA 2013); “Uncovering the Human Landscape of North Philadelphia” in Service Learning in Design and Planning: Education at the Boundaries (New Village Press 2012); “At the Margins: Politics and Design Now” in Leverage: Strengthening Neighborhoods through Design (CDC 2011); “The Craft of Inefficiency: Project 1800 and Habitat North Philadelphia” in Community/Architecture: 57 Contributions from International Research, (Festival Architettura Edizioni 2010); “Four Ways of Knowing: A Multidisciplinary Approach to Teaching Community-Based Design” in ARCC Journal of Architectural Research (ARCC 2006); and “Between Tower and Street” in The Journal of Urban Design (Carfax 1999). Professor Harrison and the Urban Workshop have received awards from SEED (Social Economic Environmental Design), AIA Pennsylvania, Architecture Magazine, and grants from the US Department of Education, Pew Charitable Trusts, local organizations, and Temple University. Sally Harrison has served on the boards of the Philadelphia and Pennsylvania AIA and serves on the Editorial Board of Context, the Journal of the Philadelphia AIA. She is a member of the Advisory Board of Design Philadelphia Redevelopment Authority and a founding member of the Community Design Collaborative. She received the BA magna cum laude from University of Pennsylvania and MArch from the Massachusetts Institute of Technology.
GRADUATE SCHOLARS

Ali Ahmed
Ali Ahmed, a doctoral student in The University of Tokyo, has been working extensively on the structures prone to corrosion attack. He is in the third year of his PhD studies. Along with his studies, he is also working as the chief marketing officer at International Center for Business Communication. He secured the top position and four gold medals while graduating in Civil Engineering from The University of Engineering and Technology Lahore. Afterwards, he joined the same university as a lecturer with a vision to help his country’s youth develop better engineering skills. Based on his work, he was promoted to Assistant Professor with in a period of three years.

Solmaz Amiri
Solmaz Amiri is a Doctor of Design candidate at Washington State University, where she studies spatio-temporal patterns of human-environment transactions. She has expertise in applications of geographic information systems (GIS) and statistical techniques to urban issues associated with crime, pedestrian accessibility, and public health. She is the recipient of numerous awards during her professional and academic career, including the National Institute of Justice’s Graduate Research Fellowship grant for her doctoral study. Solmaz holds a Master’s degree in architecture from Azad University, studied infrastructure planning at University of Stuttgart, and has five years of professional working experience as an architect in Iran and Germany.

Mahyar Hadighi
Mahyar Hadighi is a doctoral student in architecture at the Pennsylvania State University. Prior to his study at Penn State, Mahyar got his master’s degree in historic preservation from Cornell University and his professional master of architecture from Azad University of Tehran. As a designer and preservationist, he contributed to various local, national, and international projects in the field of architecture, art, urban design, and historic preservation. Both as an architect and a historic preservationist, he concentrates on Modernism through his work of documenting local adaptation of Modern architecture. Mahyar studied, researched, practiced, and taught both in Iran and the USA and received several academic and professional scholarships and awards. As a graduate affiliate in the Hamer Center for Community Design in Stuckeman School of Architecture and Landscape Architecture at Pennsylvania State University, he currently focuses on Modern domestic architecture of State College, PA, home of Pennsylvania State University, and its relationship to the “client”.

Tait Johnson
Tait Johnson is a doctoral student in architecture at the Illinois School of Architecture, Urbana-Champaign, with a research focus on small-scale modern commercial architecture in the United States and the vernacular landscape. He holds a Master of Architecture from The University of Arizona, is licensed as an architect, and has practiced architecture for twelve years. His teaching experience includes past appointments as an architecture studio instructor at the University of Arizona, Drury University, and the University of Illinois at Urbana-Champaign, where he has also taught a course on the history and theory of architecture.

Allison Kidd
Allison Kidd is a doctoral candidate at the Institute of Fine Arts of New York University, studying Classical Archaeology and Art History. Allison’s main areas of interest include ancient Roman architecture, topography, and urbanism, and she has participated in research projects and archaeological excavations across the Mediterranean, including Rome, Italy, and Aphrodisias, Turkey. Her current focus is on her dissertation, a study which seeks to assess the various ways in which Roman cities were perceived and conceived in antiquity by means of the study of architecture and urban landscapes as they appeared on frescoes, mosaics, coins, and reliefs.

Yajing Liu
Yajing Liu is a PhD Candidate at the University of Hong Kong’s Department of Architecture. Her interests include green building design, urban policy, and green infrastructure systems. She is currently conducting research on green building policy in Asian cities, with the goal of contributing to scholarship that assists in the creation of sustainable urban environments in the region. She graduated from Tongji University (Shanghai, China) with a degree in Landscape Architecture. She has participated in a variety of academic conferences and a diverse range of private sector projects, including residential, resort, and urban developments. She is currently a Youth Member of the China Green Building Council.
Macbeda Uche Michael-Agwuoke

Macbeda Uche Michael-Agwuoke is a PhD candidate at Auckland University of Technology, with a special interest in Environmental Sustainability. Before moving to New Zealand, he was at Federal Polytechnic Idah, Federal Polytechnic Bauchi, Enugu State University of Science and Technology, and University of Lagos, all in Nigeria, for his ND, HND, BSc, and MSc, respectively. At various times, he was lecturer at Federal Polytechnic Bauchi, Enugu State University of Science and Technology, and Abubakar Tafawa Balewa University Bauchi. He consults for Geoinformatics.com and Ignago Consults Ltd, based in Nigeria. Macbeda is a member of Nigeria Institution of Surveyors (NIS), Waste Management Institute of New Zealand (WasteMINZ), and the International Solid Waste Association (ISWA).

Yasemin Oksel

Since 2011, Yasemin Oksel has been working for Yaşar University, Faculty of Architecture. Oksel has received her Bachelor degree in architecture (2005-2009; 3rd Environmental Design (2007-2010) from Izmir University of Economics, Faculty of Fine Arts and Design, Izmir. Oksel received her MSc degree from Dokuz Eylül University, İzmir (2009-2013) with a thesis titled “The effect of architectural lighting on user perception in exhibition spaces.” Her thesis research was supported by BAP (DEU Science Research Project) with a reference number of 2011.KB.FEN.027. Oksel is currently pursuing her PhD Degree in Dokuz Eylül University, Department of Architecture, Architectural Design Programme under the supervision of Prof. Dr. Deniz Orhun. Her PhD studies are focused on computational design and architectural creativity in relation to morphology of space. Oksel’s research areas include environmental psychology and cognition, architectural representation in cinemas, architectural creativity, computational design, and technology.

Raha Sulaiman

Raha Sulaiman is currently at the Faculty of the Built Environment at the University of Malaya. She is also a Member of the Royal Institution of Surveyors Malaysia (RISM), and she is actively involved in numerous research, academic, community service, and student projects. As a Building Surveyor, she has conducted professional services and consultation works. She holds a Bachelor (with distinction) in Building Surveying from the University of Malaya and a Masters Degree in Built Environment from the Heriot-Watt University, UK. She has published articles and proceedings in both academic and professional journals, and she has received several local and international awards during her studies. Currently, her research focuses on users’ satisfaction toward optimum indoor environmental quality in buildings. Her interests include environmental psychology, post occupancy evaluation, and building performance in the scope of users’ satisfaction.

Railesha Tiwari

Railesha Tiwari is a PhD Candidate at the College of Architecture and Urban Studies, School of Architecture + Design at Virginia Tech, Blacksburg, USA. The objective of her doctoral research is to develop an integrated design process model for the early design phase of Net-Zero Energy Buildings. Her research intends to define a decision support framework for the design, technical, and organizational decision making processes through process based key performance indicators required at conceptual design phase in order to attain the goal of Net-Zero Energy in buildings. She had the opportunity to work with Skidmore, Owings and Merill in San Francisco for a summer internship where she was actively involved in large-scale sustainable projects that were intended to have net zero-carbon footprints. Tiwari is a recipient of the Internship scholarship award from Baskerville, Richmond. She is a Graduate Teaching Assistant at Virginia Tech since 2007. She has presented her research at the iSBE Net Zero Built Environment 2014 Symposium in Florida and the International Conference on Water, Informatics, Sustainability and Environment in Ottawa, Canada. She is a LEED Accredited Professional and also a member of ASHRAE, SSSE, ISBE, IBPSA, NIBS and ARCC, ACSA, and CIBSE communities. As a registered architect in India, Tiwari’s design experience includes residential, commercial, hotel, and resort projects. Her ongoing research and outreach interests focus on environmental design, Net-Zero Energy buildings, and Carbon-Neutral building design.
## Thursday, 16 October

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15-9:00</td>
<td>Conference Registration Desk Open</td>
</tr>
<tr>
<td>9:00-9:30</td>
<td>Conference Opening – Jeffery S. Poss, FAIA, University of Illinois at Urbana-Champaign, USA</td>
</tr>
<tr>
<td>9:30-10:15</td>
<td>Talking Circles (Themes and Rooms Listed Below)</td>
</tr>
<tr>
<td>10:15-10:25</td>
<td>Transitional Break</td>
</tr>
<tr>
<td>10:25-11:00</td>
<td>Plenary Session – Winka Dubbeldam, Chair and Professor of Architecture, PennDesign, Philadelphia, USA Principal, Archi-Tectonics Architecture, New York, USA – “Bottom Up Design as Feedback System”</td>
</tr>
<tr>
<td>11:00-11:30</td>
<td>Garden Conversation and Coffee Break – Featuring Winka Dubbeldam</td>
</tr>
<tr>
<td>11:30-12:20</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:20-14:20</td>
<td>Parallel Sessions</td>
</tr>
</tbody>
</table>

**Room 1: Design and Planning Processes**

- **A Typology of Building Appearance: The Visual Impact of Buildings**
  - Dr. Mohammed H. Ibrahim, College of Architecture and Planning, King Saud University, Riyadh, Saudi Arabia
  - Overview: This paper discusses a proposed system for classifying buildings according to their exterior appearance, using a matrix of nine types of forms and ten types of surfaces.
  - Theme: Design and Planning Processes

- **Creating Learning Environments: Lernscape 1.0**
  - Hans Peter (Hepi) Wachter, College of Architecture Division of Interior Design, University of Oklahoma, Norman, USA
  - John Brown, Hollis+Miller Architects, Kansas City, USA
  - Christina Hoehn, Frankfurt-Short-Bruza Architects, Oklahoma City, USA
  - Overview: This paper investigates the evolution of learning environments and learning commons in the outdoors.
  - Theme: Design and Planning Processes

- **Morphogenesis Design Process: Digital-biomorphic Design**
  - Ming Hu, Rochester Institute of Technology, Golisano Institute of Sustainability, Rochester, USA
  - Overview: The objective of this paper is to propose and define digital-biomorphic design as a model of morphogenetic process.
  - Theme: Design and Planning Processes

- **Prototyping Kinetic Architecture: A Framework for Design Methods and Tools**
  - Dr. Kihong Ku, Architecture, Philadelphia University, Philadelphia, USA
  - Overview: This paper discusses research and teaching endeavors on design methods, tools, and prototyping of kinetic architecture. Review and analysis of design projects will illustrate the iterative design process and methods.
  - Theme: Design and Planning Processes

- **“Usage Centered” Design Practice: Extending Schön’s Reflective Practice Theory to Inform Building Design and Evaluation Processes**
  - Dr. Laura Malinin, Department of Design and Merchandising College of Health and Human Sciences, Colorado State University, Fort Collins, USA
  - Dr. Dara Cunningham, Department of Data Analysis and Visualization, National Renewable Energy Laboratory, Boulder, USA
  - Overview: This paper describes two complimentary theoretical models based on Schön’s theory of reflective practice that aim to improve outcomes for the design and post-occupancy evaluation of constructed environments.
  - Theme: Design and Planning Processes
### PARALLEL SESSIONS

#### Room 2

**Environmental Sustainability Strategies**
- **Climate-responsive Strategies in Vernacular Houses in Northern Iran (Gilan)**
  - Reza Foroughi, Department of Architecture, University of Mazandaran, Babolsar, Iran, Baton Rouge, USA
  - **Overview:** This paper studies the strategies used to respond to the climatic factors, and also identifies and classifies the elements created in response to the strategies in northern Iran.
  - **Theme:** Environmental Impacts

**Save the Windows: A Residential Case Study Using Life Cycle Assessment**
- Katherine Switala-Elmhurst, College of Engineering, Temple University, Philadelphia, USA
- Dr. Philip Udo-Inyang, Civil and Environmental Engineering Department College of Engineering, Temple University, Philadelphia, USA
- **Overview:** This study evaluated the environmental impact of window restoration versus window replacement using life cycle assessment as a means to quantify the sustainability of window preservation.
  - **Theme:** Environmental Impacts

**Achieving Environmental Sustainability through Effective Municipal Solid Waste Transportation**
- Macbeda Uche Michael-Agwuoke, Geoinformatics Research Centre, Auckland University of Technology, Auckland, New Zealand
- Dr. Jacqueline Whalley, Auckland University of Technology, Auckland, New Zealand
- Prof. Love Chile, Auckland University of Technology, Auckland, New Zealand
- **Overview:** This research is a demonstration of the need to consider how much impact waste transportation is contributing to the environment.
  - **Theme:** Environmental Impacts

#### Room 3

**Politics of the Built Environment**

**The Wonder Port Project: Transformation of the City into a Site of Consumption**
- Prof. Katia da Costa Bezerra, Department of Spanish and Portuguese, University of Arizona, Tucson, USA
- **Overview:** This paper focuses on the new Rio Art Museum, which is part of the Wonder Port Project, examining the tensions present in the transformation of cities into sites of consumption.
  - **Theme:** Social Impacts

**Rebel Cities: Madrid and the Cultural Contestation of Space from the Okupas to the Indignados**
- Prof. Malcolm Compitello, Spanish and Portuguese College of Humanities, University of Arizona, Tucson, USA
- **Overview:** This paper offers a case study in the evolution of the practices of spatial resistance in Madrid from the 1980s forward and examines the role of culture in this process.
  - **Theme:** Social Impacts

**The People Want to Bring Down the Regime: Hegemony, Resistance, and the Structures of the City**
- Daniel Gilmore, Department of Culture and Communication, Drexel University, Philadelphia, USA
- **Overview:** This paper looks at how the built environment of a city is often used for ideological dissemination by hegemonic forces, but can also be reappropriated for socio-political protest purposes.
  - **Theme:** Social Impacts

**The Periphery as a Source of Identity: Challenging São Paulo’s Cultural Segregation**
- Leonora S Paula, Department of Spanish and Portuguese, Rice University, Houston, USA
- **Overview:** This paper investigates how the historically unequal organization of cities in Brazil, especially São Paulo, has been challenged and reinterpreted by the culture of the periphery.
  - **Theme:** Social Impacts

**Internal Disconnect: Renovation, Adaptation, and Memory in the Iconic Modernist Interiors of John Portman**
- Prof. Gregory Marinic, Gerald D. Hines College of Architecture, University of Houston, Houston, USA
- **Overview:** Considering the temporal nature of building interiors, this paper will examine the external social, political, and economic forces which have impacted interior migrations.
  - **Theme:** Social Impacts
### Thursday, 16 October

#### Parallel Sessions

<table>
<thead>
<tr>
<th>Room 4</th>
<th>Design Practices in Landscape Architecture</th>
</tr>
</thead>
</table>
|        | **Designing Connection: The Botany of Locale and the Built Landscape**  
Lindsay Knapp, Portland, USA  
Overview: Disconnecting sites from regional botanic arrays robs them of connective potential, preventing people from bonding with the places they live and work. Incorporating locale into design methodology encourages human connection.  
Theme: Social Impacts |
|        | **The Connected Garden: Designing Office Landscapes to Promote Community, Communication, and Creativity in the Digital Age**  
Dr. Helena Chance, School of Design, Craft, and Visual Arts, Buckinghamshire New University, High Wycombe, UK  
Overview: The corporate garden, a type of designed green space provided at workplaces for employees, emerged in the industrial age and is now being adapted for the digital age.  
Theme: Social Impacts |
|        | **Designing a Universally Accessible Vertical Garden: An Interprofessional Collaboration**  
Dr. Amy Wagenfeld, Department of Occupational Therapy, Rush University, Chicago, USA  
Helen Wilson, Helen Wilson Design, Seattle, USA  
Overview: Interprofessional collaboration between occupational therapy and landscape design, and multiple participatory design workshops led to creation of a universally designed vertical garden at an assisted living facility in Seattle, Washington.  
Theme: Design and Planning Processes |
|        | **Hanging Gardens in Cities: Are They Really Beneficial as an Add-on?**  
Dr. Nalanie Mithraratne, Department of Architecture, School of Design and Environment, National University of Singapore, Singapore  
Frank Low, Department of Architecture School of Design and Environment, National University of Singapore, Singapore  
Overview: This paper argues that the benefit of incorporating greenery in high-rise buildings depends on early adoption and careful design, while methods to quantify social benefits of the same are lacking.  
Theme: Environmental Impacts |

<table>
<thead>
<tr>
<th>Room 5</th>
<th>Examinations of Space and Place</th>
</tr>
</thead>
</table>
|        | **Exploring the Discontinuous City**  
Prof. Luis Felipe Alonso, Departamento de Urbanistica y Ordenacion del Territorio, Superior Technical School of Architecture of Madrid, Madrid, Spain  
Overview: This paper discusses the planning implications of the space-time of key urban processes, the down-top hierarchies of urban construction, and the space discontinuity in the configuration of new urban forms.  
Theme: Design and Planning Processes |
|        | **The Identity, Nature, and Structure of Place: The Contested Space of the Street**  
Mark Blizard, Department of Architecture, University of Texas at San Antonio, San Antonio, USA  
Curtis Fish, Root Architects, San Antonio, USA  
Overview: This paper discusses lessons learned and knowledge gained in our cinegraphic analysis of Urbino's streets, looking at the developing application of that knowledge in architectural education and practice.  
Theme: Design and Planning Processes |
|        | **Judith Chafee: Locating Place**  
Christopher Domin, CAPLA: School of Architecture, University of Arizona, Tucson, USA  
Kathryn McGuire, Kathryn McGuire Architect, Tucson, USA  
Overview: This paper analyzes architect Judith Chafee's early training and built work, which provides understanding of making architecture that is regional and far-reaching—an architecture that leverages limitations to stimulate an identity.  
Theme: Design and Planning Processes |
|        | **Autonomy of Architecture: A Critical View from Music**  
Francisco Palmeira de Lucena, Department of History, Pontifical University Catholic of Rio de Janeiro, Rio de Janeiro, Brazil  
Overview: By analyzing two contemporary buildings from two conceptions of noise in music, this paper shows the difference between processes as an external critical view and the autonomy of architecture.  
Theme: Design and Planning Processes |
|        | **Perspectival Cities: The Interdisciplinary Construction of Urban Spaces**  
Olga Sendra Ferrer, Romance Languages and Literatures, Wesleyan University, Middletown, USA  
Overview: This paper considers the relationship between urban environment, photography, and literature, in order to show how the city is socially and physically constructed by practices other than architecture and urbanism.  
Theme: Social Impacts |

#### Coffee Break and Poster Sessions
<table>
<thead>
<tr>
<th>Room 1</th>
<th>PARALLEL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Posters Sessions</strong></td>
<td></td>
</tr>
<tr>
<td><strong>A Technology Assessment of Sustainable Indoor Gardening Systems</strong></td>
<td>Neil Desnoyers, LeBow College of Business, Decision Sciences Department, Drexel University, Philadelphia, USA&lt;br&gt;Abhishek Valanju, College of Computing and Informatics, Drexel University, Philadelphia, USA&lt;br&gt;Neil Desnoyers, LeBow College of Business, Decision Sciences Department, Drexel University, Philadelphia, USA&lt;br&gt;Overview: We completed a technology assessment of popular gardening systems utilizing hydroponic and aeroponic technologies. Knowledge gained through this project provides guidance to Smart House as it develops sustainable agricultural projects.&lt;br&gt;<strong>Theme: Environmental Impacts</strong></td>
</tr>
<tr>
<td><strong>Sustainability of a Rooftop Wetland for Urban Gardening</strong></td>
<td>Dr. Uhram Song, Department of Biology and Research Institute for Basic Sciences, Jeju National University, Jeju, South Korea&lt;br&gt;Overview: Wetlands as a form of urban rooftop gardening showed reduced use of irrigation and less management cost. Wetlands are an effective rooftop gardening system.&lt;br&gt;<strong>Theme: Environmental Impacts</strong></td>
</tr>
<tr>
<td><strong>A Study on Spatial Analysis for Space Types and Circulation Systems of Public Health Centers: Focusing on Care Space</strong></td>
<td>Hee.young Cho, Graduate school of U - Design, Inje University, Gimhae, South Korea&lt;br&gt;Prof. Suktae Kim, School of Design, Inje University, Gimhae, South Korea&lt;br&gt;Overview: This study provides baseline data for spatial allocation and circulation systems of a public health care center.&lt;br&gt;<strong>Theme: Social Impacts</strong></td>
</tr>
<tr>
<td><strong>A Spatial Configuration of Elderly Care Facilities</strong></td>
<td>So Hee Yoon, College of Design, Inje University, Gimhae, South Korea&lt;br&gt;Prof. Suktae Kim, Inje University, Gimhae, South Korea&lt;br&gt;Overview: This study proposes ideas to help construction companies or architects to design spaces in nursing facilities that are geared toward elderly users of the space.&lt;br&gt;<strong>Theme: Social Impacts</strong></td>
</tr>
<tr>
<td><strong>Learning to Crawl: A Case for Hydro-temporal Site Analyses in the Louisiana Coastal Region</strong></td>
<td>Kiwana McClung, School of Architecture and Design, University of Louisiana at Lafayette, Lafayette, USA&lt;br&gt;Overview: The Louisiana Coastal Region is in constant flux due to seasonal environmental vicissitudes, pulse events, and other agendas. Hydro-temporal site analysis is one way of understanding site limitations and phenomena.&lt;br&gt;<strong>Theme: Design and Planning Processes</strong></td>
</tr>
<tr>
<td><strong>The Role of Ghana’s Informal Sector in Plastic Recycling in Low-income Communities: A Case Study of Bullock Recycling Foundation</strong></td>
<td>Naana Kagesa Amponsah-Neizer, Planning Department, Consortium for Innovations in Human Settlements Development, Accra, Ghana&lt;br&gt;Overview: This study outlines findings of an ongoing study that seeks to assess the significance of Ghana’s informal sector in plastic waste recycling, looking at strategies, outcomes, strengths, weaknesses, and impacts.&lt;br&gt;<strong>Theme: Environmental Impacts</strong></td>
</tr>
<tr>
<td><strong>Complexity, Dynamism, and Integration: Stakeholder Analysis on the Green Policy Process in the Three Asian Cities of Hong Kong, Singapore, and Shenzhen</strong></td>
<td>Yajing Liu, Department of Architecture, The University of Hong Kong, Hong Kong&lt;br&gt;Prof. Stephen Siu Yu Lau, Department of Architecture, The University of Hong Kong, Tongji University, Hong Kong, Hong Kong&lt;br&gt;Overview: Through stakeholder analysis and social context study, this poster interprets the complexity of the green building policy-making process in newly industrialized Asian cities.&lt;br&gt;<strong>Theme: Design and Planning Processes</strong></td>
</tr>
<tr>
<td><strong>Developing the Data Infrastructure for the Drexel Smart House</strong></td>
<td>Abhishek Valanju, College of Computing and Informatics, Drexel University, Philadelphia, USA&lt;br&gt;Weiquan Li, LeBow College of Business, Drexel University, Philadelphia, USA&lt;br&gt;Neil Desnoyers, Decision Sciences Department, LeBow College of Business, Drexel University, Philadelphia, USA&lt;br&gt;Overview: We created the DSH database which unified all records into one place and additionally kept track of members, project ideas, and due dates for improved data management and efficient workflows.&lt;br&gt;<strong>Theme: Design and Planning Processes</strong></td>
</tr>
<tr>
<td><strong>The Archaeology of Built Environments: Stone Architecture on Pohnpei, Micronesia</strong></td>
<td>William S. Ayres, Department of Anthropology, University of Oregon, Eugene, USA&lt;br&gt;Anthony S. Russell, Anthropology and Architecture and Allied Arts, University of Oregon, Eugene, USA&lt;br&gt;Overview: Prehistoric megalithic sites represent distinctive built environments. In a Pacific Islands case the formalization of such architecture goes beyond the typical “vernacular” to approach that of a culturally-defined architectural tradition.&lt;br&gt;<strong>Theme: Social Impacts</strong></td>
</tr>
</tbody>
</table>
### PARALLEL SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 14:35-15:05     | ISO 14001, a Powerful Weapon in the Battle against Anthropogenic Pollution?  
Dr. Josephine Mmojieje, European Bioenergy Research Institute, Aston University, Birmingham, UK  
Overview: This study reports on the findings of a desk top review into the effectiveness of the ISO 14001 standard in reducing the environmental impact of industry.  
Theme: Environmental Impacts  
3D Parametric Reconstruction in the Service of Architectural Design  
Kadi Hayet, Department of Architecture Faculty of Architecture and Civil Engineering, University of Sciences and Technology Mohamed Boudiaf, Oran, Algeria  
Overview: Parametric modeling approach applied to digital representation and design from existent architectures is a field of research explored since it can address many limitations of digitizing tools.  
Theme: Design and Planning Processes  
A Study on the Spatial Structure and Route Efficiency of Geriatric Hospitals: Focusing on the Central Medical Treatment Areas  
Sun-mi Bae, Graduate School of U-Design, Inje University, Gimhae, South Korea  
Prof. Suktae Kim, School of Design, Inje University, Gimhae, South Korea  
Overview: This study provides quantitative and subjective data for the proper and efficient traffic flow of senior patients.  
Theme: Social Impacts  
The Space Structure of an Emergency Medical Care Center: A Case Study  
Sumi An, Graduate School of U-design, Inje University, Gimhae, South Korea  
Prof. Kwangho Son, Department of Interior Design, Inje University, Gimhae, South Korea  
Overview: This study proposes an efficient plane type by looking into space structures and traffic lines in relation to a plane type of an emergency medical care center.  
Theme: Social Impacts  
Dynamic Responsive Facade: Flower Wall  
Asst. Prof. Matthew Wagner, School of Architecture and Design, Virginia Tech, Blacksburg, USA  
Prof. Robert Dunay, School of Architecture and Design, Virginia Tech, Blacksburg, USA  
Asst. Prof. David Clark, School of Architecture and Design, Virginia Tech, Blacksburg, USA  
Overview: The Flower Wall is a dynamic facade that optimizes interior environments by adapting to changing outdoor environments; it was inspired by the natural beauty of phototropic responses from flowers.  
Theme: Design and Planning Processes  |
| 15:05-15:15     | TRANSITIONAL BREAK                                                        |
| 15:15-16:55     | PARALLEL SESSIONS                                                         |
| Room 1          | Material Advancements and the Constructed Environment                     |
|                 | The Effect of Corrosion of Steel Rebars on the Durability of Reinforced Concrete Columns  
Ali Ahmed, Concrete Laboratory, Civil Engineering Department, The University of Tokyo, Tokyo, Japan  
Ahmed Mohammed Youssef Mohammed, Concrete Laboratory, Civil Engineering Department, The University of Tokyo, Tokyo, Japan  
Koichi Maekawa, Concrete Laboratory, Civil Engineering Department, The University of Tokyo, Tokyo, Japan  
Overview: This study deals with numerical and experimental verification of major factors affecting the durability of concrete structures and their possible solutions to numerically analyze corrosion in reinforced concrete structures.  
Theme: Building Processes  
Groundnut Shell Ash Modification of Tropical Black Clay  
Dr. Thomas Stephen Ijimdiya, Department of Civil Engineering, Nigerian Defence Academy, Zaria, Nigeria  
Ifeari Chukwujama, Civil Engineering, Nigerian Defence Academy, Kaduna, Nigeria  
Overview: This paper outlines the results of laboratory investigation of the potential utilization of groundnut shell ash modified tropical black clay in engineering construction.  
Theme: Environmental Impacts  
Efficacy of Functional Mortar Containing Cu-glass Beads for Restraining Biofilm Production  
Prof. Hojeong Kang, School of Civil and Environmental Engineering, Yonsei University, Seoul, South Korea  
Hyunjin Lee, Yonsei University, Seoul, South Korea  
Soonyoung Park, Yonsei University, Seoul, South Korea  
Overview: This paper discusses the development of functional mortar containing Cu-beads, which was tested for its anti-fouling effects. It exhibits inhibitory effects on bacterial and algal growth on its surface.  
Theme: Environmental Impacts  |
<table>
<thead>
<tr>
<th>Time</th>
<th>PARALLEL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:15-16:55</td>
<td><strong>Room 2</strong> Sociopolitical and Community Impacts</td>
</tr>
<tr>
<td></td>
<td><strong>The Micro-foundations of Benefit Schemes in Electricity Transmission Projects:</strong> A Community Perspective</td>
</tr>
<tr>
<td></td>
<td>Michael Garry Keegan, Business and Economics, College of Business Public Policy and Law, National University of Ireland Galway, Dublin, Ireland</td>
</tr>
<tr>
<td></td>
<td><strong>Overview:</strong> This paper questions whether appropriately designed and managed Host Community Benefit Schemes (HCBSs) contribute to achieving acceptance of the High Voltage Overhead Transmission Lines (HVOTLs) siting process.</td>
</tr>
<tr>
<td></td>
<td><strong>Theme:</strong> Social Impacts</td>
</tr>
<tr>
<td></td>
<td><strong>Local Government and Planning Activity in Nigeria: Akure North and South Local Government Areas of Ondo State</strong></td>
</tr>
<tr>
<td></td>
<td>Dr. Afolabi Francis Fatusin, Faculty of Social and Management Sciences, Adekunle Ajasin University, Akungba Akoko, Nigeria</td>
</tr>
<tr>
<td></td>
<td>Dr. Afolabi Aribigbola, Faculty of Social and Management Sciences, Adekunle Ajasin University, Akungba Akoko, Nigeria</td>
</tr>
<tr>
<td></td>
<td><strong>Overview:</strong> This paper examines planning policies and activities in two selected local governments of Akure North and Akure South Local Government Areas of Ondo State, Nigeria.</td>
</tr>
<tr>
<td></td>
<td><strong>Theme:</strong> Design and Planning Processes</td>
</tr>
<tr>
<td></td>
<td><strong>Does Crime Prevention through Environmental Design Principle Affect Crime in Residential Neighborhoods?</strong></td>
</tr>
<tr>
<td></td>
<td>Solmaz Amiri, Washington State University, Spokane, USA</td>
</tr>
<tr>
<td></td>
<td>Kerry R Brooks, Department of Urban Planning, Health, and Public Administration, Eastern Washington University, Spokane, USA</td>
</tr>
<tr>
<td></td>
<td><strong>Overview:</strong> This study utilizes geospatial data and technologies to evaluate visibility of building openings with respect to residential burglaries, and provides insights into criminogenic and secure spatial configurations.</td>
</tr>
<tr>
<td></td>
<td><strong>Theme:</strong> Social Impacts</td>
</tr>
<tr>
<td></td>
<td><strong>Bedford Stuyvesant IIN Development: Principles for Sustainable Development in a Neighborhood in Transition</strong></td>
</tr>
<tr>
<td></td>
<td>Jamie Yellen, IIN Development Corp, Brooklyn, USA</td>
</tr>
<tr>
<td></td>
<td>Kaitlin Bundy, Cultural and Heritage Commission of Somerset County New Jersey, USA</td>
</tr>
<tr>
<td></td>
<td>Nidia Medina, IIN Development Corporation, USA</td>
</tr>
<tr>
<td></td>
<td>Christina Teichroew, Manhattan School of Music, New York, USA</td>
</tr>
<tr>
<td></td>
<td>Sacha Wynne, IIN Development Corp, USA</td>
</tr>
<tr>
<td></td>
<td><strong>Overview:</strong> The IIN Framework leverages arts and culture to cultivate physical and emotional ties to a community while establishing sustainable development practices and a vibrant sense of place.</td>
</tr>
<tr>
<td></td>
<td><strong>Theme:</strong> Social Impacts</td>
</tr>
<tr>
<td></td>
<td><strong>Room 3 Colloquium</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Comparing Research Experiences: From Macrotheories/Theoretical Problems to Thin Practices for the Constructed Environment</strong></td>
</tr>
<tr>
<td></td>
<td>Daniela De Leo, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td>Valentina Alberti, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td>Alessandro Rinaldi, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td>Sara Bindo, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td>Enrica Gialanella, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td>Maria Grazia Montella, Department of Planning, Design, Architecture Technology, Sapienza University of Rome, Rome, Italy</td>
</tr>
<tr>
<td></td>
<td><strong>Overview:</strong> This colloquium addresses the transition from articulated theoretical reflections to operational and thin tools in research work on regional and urban planning.</td>
</tr>
<tr>
<td></td>
<td><strong>Theme:</strong> Design and Planning Processes</td>
</tr>
</tbody>
</table>
### Room 4
#### Sustainable Energy in the Constructed Environment

**Constructed Environment: Powered by Sustainable Stand-alone Residential Energy Technology**
Dr. Stephen A. Adavbiele, Mechanical Engineering, Ambrose All University, Ekpoma, Nigeria
*Overview:* In the context of power outage and favorable annual weather conditions for Nigeria, a sustainable residential-based hybrid solar-wind-fuel cell with thermoelectric generator energy technology is proposed.
*Theme:* Environmental Impacts

**From Greenhouse to Dwelling: The Build of a New Housing Typology in Southern Chile**
Emil Osorio Schmied, Instituto de Arquitectura y Urbanismo, Universidad Austral de Chile, Valdivia, Chile
*Overview:* Lacking a market for sustainable homes in the cold and rainy context of Valdivia, Southern Chile, this paper explores the need to explore new alternatives to design energy-efficient dwellings.
*Theme:* Design and Planning Processes

Railesha Tiwari, School of Architecture and Design, College of Architecture and Urban Studies, Virginia Polytechnic Institute and State University, Blacksburg, USA
Dr. James R. Jones, School of Architecture and Design, College of Architecture and Urban Studies, Virginia Polytechnic Institute and State University, Blacksburg, USA
*Overview:* This paper helps draw insights on the interdisciplinary integration to enable understanding of linkages between processes, decision nodes, and decision rationale to enable industry-wide NZEB design process assessment and improvement.
*Theme:* Design and Planning Processes

Kimberly Drennan, Program in Environmental Design, University of Colorado, Boulder, Boulder, USA
Marianne Holbert, Program in Environmental Design, University of Colorado, Boulder, Boulder, USA
Justin Bellucci, Program in Environmental Design, University of Colorado in Boulder, Boulder, USA
*Overview:* The increasing use of energy modeling is shaping the design process. This paper offers an “energy pinax” - a matrix to enhance integrative design in architectural education and design practice.
*Theme:* Design and Planning Processes

### Room 5
#### Urban Waterfront Design and Planning

**Chicago Water Transit: Water-based Transit for the Chicago River and Lake Michigan**
Carol Ross Barney, Ross Barney Architects, Chicago, USA
Ross Barney, Ross Barney Architects / Illinois Institute of Technology, Chicago, USA
*Overview:* The Chicago River has been transformed from industrial use to an urban amenity. The concentration of housing and activities along the river and lake calls for easy connection between them.
*Theme:* Design and Planning Processes

**River Restoration and Rehabilitation as a New Urban Design Strategy: The Andalien River in Concepción, Chile**
Paulina Espinosa, Faculty of Engineering Science, University of Leuven, Leuven, Belgium
Bruno De Meulder, Faculty of Engineering Science, University of Leuven, Leuven, Belgium
Alfredo Ollero, Geography and Regional Planning Department, University of Zaragoza, Zaragoza, Spain
*Overview:* This paper analyses how river restoration-rehabilitation techniques can be transferred to urban/constructed environments and consequently used as an urban design strategy in urban (re-)development projects.
*Theme:* Design and Planning Processes

**The Possibilities of an Inclusive Approach to an Urban Waterfront: The Case of Buriganga Bridge 2**
Tanima Tabassum, Department of Architecture, State University of Bangladesh, Dhaka, Bangladesh
Samia Sharmin, Department of Architecture, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
*Overview:* This paper identifies the drawbacks of a new urban development on the waterfront of Buriganga and explores the possibilities for re-integrating the development with the existing urban fabric.
*Theme:* Design and Planning Processes

### 18:30-19:00
**Artist Talk & Welcome Reception at Slought Foundation**
# Friday, 17 October

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-8:45</td>
<td>Conference Registration Desk Open</td>
</tr>
<tr>
<td>8:45-9:00</td>
<td>Host Remarks</td>
</tr>
<tr>
<td>9:00-9:35</td>
<td>Plenary Session – Daniel A. Barber, Assistant Professor of Architecture, PennDesign, Philadelphia, USA – “The Nature of the Image: Towards an Architectural History of the Anthropocene”</td>
</tr>
<tr>
<td>9:35-10:10</td>
<td>Plenary Session – Sally Harrison, Architect and Associate Professor of Architecture, Tyler School of Art, Temple University, Philadelphia, USA – “In Between: Places of Resilience in the Postindustrial City”</td>
</tr>
<tr>
<td>10:10-10:40</td>
<td>Garden Conversation and Coffee Break – Featuring Daniel A. Barber and Sally Harrison</td>
</tr>
<tr>
<td>10:40-12:20</td>
<td>Parallel Sessions</td>
</tr>
</tbody>
</table>

**Room 1: Politics of Design and Planning**

### Constructing Urban Land: Exploring the Tensions within the Land Rent Gradient
Dr. Michael H. Turk, Department of Economics, History, and Political Science, Fitchburg State University, Fitchburg, USA  
**Overview:** Tensions in the urban land rent gradient may be understood to underlie the reconstituting of the "land" upon which cities are built, exemplified by the historical case of Boston.  
**Theme:** Design and Planning Processes

### From Rigid Boundaries to Socially Inclusive Partitions: A Shift in the Paradigm of Urban Walls
Yasemin Oksel, Faculty of Architecture, Department of Architecture, Yasar University, Izmir, Turkey  
Dr. Hayat Zengin, Faculty of Architecture, Department of Urban Planning, Dokuz Eylul University, Izmir, Turkey  
**Overview:** This paper discusses the changing role of the urban wall from a rigid partition into an interactive construct by focusing on the Berlin Wall and the Wall of Copenhagen.  
**Theme:** Design and Planning Processes

### Renewing Spokane: A Study of Motivating Forces behind Downtown Revitalization Projects
Kara Mowery, Geography Department, Central Washington University, Seattle, USA  
Dr. Matthew Novak, Geography Department, Central Washington University, Ellensburg, USA  
**Overview:** This paper analyzes urban renewal prospects and challenges in downtown Spokane, Washington, through interviews and participant observation of key revitalizers, including business leaders, land developers, and city officials.  
**Theme:** Design and Planning Processes

### Constructing Community: Synthesizing Lay and Professional Knowledge in Architecture
Dr. Ambrose Rufus Gillick, History of Architecture and Urban Studies, Glasgow School of Art, Glasgow, UK  
**Overview:** This paper analyzes coproductive strategies used by designers to promote empowerment through the processes of designing and building in marginal communities.  
**Theme:** Design and Planning Processes
### Room 2: Sustainable Building Practices

**A Sustainable Constructed Environment in Nigeria via Green Technology**  
Dr. Justina A. Adavbiele, Vocational and Technical Education, Ambrose All University, Ekpoma, Nigeria  
Overview: In this paper, a simple and affordable process of green technology is described and recommended to redeem the ecosystem in a constructed Nigerian environment.  
**Theme:** Environmental Impacts

**Model of Visitors' Satisfaction on Indoor Environmental Quality and Temporal Discomfort Behavior**  
Raha Sulaiman, Department of Building Surveying Faculty of Built Environment, University of Malaya, Kuala Lumpur, Malaysia  
Dr. Syahrul Nizam Kamaruzzaman, Faculty of Built Environment, University of Malaya, Kuala Lumpur, Malaysia  
Overview: This paper is a structural equation modelling of visitors' satisfaction on the performance of indoor environmental quality in air-conditioned museum buildings in Malaysia toward their well-being while visiting the galleries.  
**Theme:** Environmental Impacts

**Triple Bottom Line Cost-benefit Analysis of Green Infrastructure in Norman, Oklahoma**  
Katherine Mitchell, College of Architecture and Environmental Design, Kent State University, Kent, USA  
Adam Ladouceur, College of Architecture and Environmental Design, Kent State University, Kent, USA  
Dr. Rui Liu, College of Architecture and Environmental Design, Kent State University, Kent, USA  
Reid Coffman, College of Architecture and Environmental Design, Kent State University, Kent, USA  
Overview: A triple bottom line cost-benefit analysis model was used to evaluate the sustainability of a recently completed GI project entitled Trailwoods Greenstreet in Norman, Oklahoma over a 30 year period.  
**Theme:** Environmental Impacts

**New York City Thermal Cycle Assessment and Neighborhood Temperature Variations Due to the Urban Heat Island**  
Dr. Rouzbeh Nazari, Department of Civil and Environmental Engineering, Rowan University, Glassboro, USA  
Overview: This study looks at fine scale structures in the urban heat island of Manhattan through an infrared camera to relate heat and emissions from building surfaces to land surface characteristics.  
**Theme:** Environmental Impacts

### Room 3: Cultural Studies and the Built Environment

**Postcards from the Disposable City**  
Asst. Prof. Peter Chen, School of Art Design and Media, Nanyang Technological University, Singapore, Singapore  
Overview: Postcards from the Disposable City is a project that utilizes the vehicle of postcards as an investigative device in retrieving the cultural memory of the public’s perception of urban spaces.  
**Theme:** Social Impacts

**The Construction of Race: Chinatown's Built Environment, Racialization, and Hybridity**  
Caroline Porter, English Department, University of Kansas, Lawrence, USA  
Overview: This paper analyzes racial performativity in Sui Sin Far's short story "Its Wavering Image" (1912) and argues that San Francisco's Chinatown participates in racializing the story's characters.  
**Theme:** Social Impacts

**Local Adaptation of Wrightian Architecture**  
Mahyar Hadighi, School of Architecture, Hamer Center for Community Design, Pennsylvania State University, State College, USA  
Overview: This research will explore modern architecture of two American university towns, Ithaca, NY and State College, PA, while concentrating on local adaptation of Wrightian architecture.  
**Theme:** Social Impacts
### Friday, 17 October

#### 10:40-12:20

**Room 4**

**Designing Interior Spaces**

**Spaces within: How Photobiology Defines the Next Paradigm for Lighting of the Interior Environment**

- Prof. Julie Whitmore, School of Family and Consumer Sciences, Buechel College of Arts and Sciences, University of Akron, Akron, USA
- Overview: This paper explains how photobiology has now made possible the current paradigm shift for artificial lighting in our interior environments.
- Theme: Design and Planning Processes

**Generic Expressions in Design and Its Influence on Our Embodied Reality**

- Martie Bitzer, Department of Architecture, University of the Free State, Bloemfontein, South Africa
- Overview: This paper explores the driving forces behind object design and how it finds generic expression within our physical environment.
- Theme: Design and Planning Processes

**The Prefabricated Bathroom**

- Prof. Deborah Schneiderman, Department of Interior Design School of Art and Design, Pratt Institute, Brooklyn, USA
- Overview: This paper articulates the significance of the bathroom in the history of prefabrication and demonstrates its bearing as a significant instigator of prefabricated technologies throughout the built environment.
- Theme: Design and Planning Processes

**The Relationship between Office Work Typeology and Interior Attribute Preference**

- Natalie Ellis, Interior Design Division College of Architecture, University of Oklahoma, Norman, USA
- Overview: This research considers the benefit of moving beyond the designer’s best guess and white paper doctrine to effective workplace design solutions with the aid of empirically contributed indices.
- Theme: Social Impacts

#### 12:20-13:20

**LUNCH**

---

### Room 5

**Construction Processes and Social Impacts**

**The Social Implications of Occupational Heat Stress on Migrant Workers Engaged in Public Construction: A Case Study from Southern India**

- Prof. Vidhya Venugopal, Department of Environmental Health Engineering, Sri Ramachandra University, Porur, Chennai, India
- Jeremiah Chinnadurai, Department of Environmental Health Engineering, Sri Ramachandra University, Chennai, India
- Dr. Rebekah Lucas, Centre for Global Health, Umea University, Umea, Sweden
- Vennila Vishwanathan, Department of Environmental Health Engineering, Sri Ramachandra University, Chennai, India
- Aij Rajiva, Indian Institute of Public Health, Ahmedabad, India
- Prof. Tord Kjellstrom, Centre for Global Health, Umea University, Sweden, Nelson, New Zealand
- Overview: The social implications of occupational heat stress on migrant workers engaged in public construction was studied in Chennai, India. The preliminary findings and recommendations for policy interventions are discussed.
- Theme: Social Impacts

**Investigation into Frequent Building Collapse in Rapidly Urbanizing Areas of Nigeria**

- Dr. Steve Ikpendu Nwankwo, Department of Architecture, Abia State University, Uturu, Owerri, Nigeria
- Chidiuto Victoria Nwankwo, Department of Estate Management, Abia State University, Uturu, Owerri, Nigeria
- Arch. Marcellinus U. Okafor, Department of Architecture, Abia State University, Uturu, Owerri, Nigeria
- Overview: Nigeria has witnessed different forms of building collapse since independence in 1960. This research investigates activities of building industry key players and reasons for the incessant building collapse.
- Theme: Building Processes

**Landscaped Landfills as a Sustainable Solid Waste Management Option and Its Environmental Impacts**

- Dr. Anil Kumar, Architecture Department, National Institute of Technology Calicut, Calicut, India
- Amritha Pk, Department of Architecture, National Institute of Technology Calicut, Calicut, India
- Overview: This paper discusses environmental issues in transforming landfills into landscaped landfills by using the biodegradable waste as nutrient for landscape development, thereby making it a sustainable solid waste management option.
- Theme: Environmental Impacts

**The Contest of Peripheries of Disruptive Urban Road Infrastructure and Human Flows in Abeokuta, Nigeria**

- Arch. Adedeji Adebola Adepeju, Department of Architecture, Moshood Abiola Polytechnic, Abeokuta, Nigeria
- Arch. Olufunmilai Oludunsin Kuye, Department of Architecture, Moshood Abiola Polytechnic, Abeokuta, Nigeria
- Overview: This research investigated the nature and pattern of disruptive conflicts between road infrastructure and observed indigenous socioeconomic culture characterized by human flows in the ancient city of Abeokuta, Nigeria.
- Theme: Social Impacts
### Room 1: Building Construction and Assessment

#### Assessment of Building Maintenance Projects Success Factors in Lagos Nigeria

Olatunji Abisuga, Department of Building Technology, Lagos State Polytechnic, Lagos, Nigeria  
Kamaldeen B. Ibrahim-Adedeji, Department of Urban and Regional Planning, Lagos State Polytechnic, Ikorodu, Nigeria  
**Overview:** This paper assesses the success factors that determine the performance of building maintenance projects in Lagos State, Nigeria.

**Theme:** Building Processes

#### The Characterization of Indicators Benchmarking of Cement-based Construction Technologies: A Case Study

Dr. Alberto Casado Lordileem Jr., Civil Engineering, Polytechnic School of Pernambuco University, Recife, Brazil  
Bárbara Eloá Gonçalves Lima, Civil Engineering, Polytechnic School of Pernambuco University, Recife, Brazil  
**Overview:** This research presents the best practices identified by performance indicators, related to the measurement of losses and associated with cement-based constructive technologies of participating construction companies in Recife, Brazil.

**Theme:** Building Processes

#### Impacts of Electric Power Generators’ Variables on Noise Level Generation in Building Indoor Environment

Dr. Andrew Mhya Stanley, Department of Building, Faculty of Environmental Design, Ahmadu Bello University, Zaria, Nigeria  
**Overview:** This study assesses the impact of electric power generator variables (age, distance away from building, and capacity) on noise generation in building indoor environment. Kaduna metropolis was the case study.

**Theme:** Building Processes

#### Material Advancements for High-rise Construction

Dr. Koorosh Gharehbaghi, School of Property, Construction, and Project Management, The Institution of Engineers Australia, Melbourne, Australia  
**Overview:** This paper provides advancements in concrete technology and high tensile steel for the purpose of high rise construction.

**Theme:** Building Processes

### Room 2: Education and Training for the Constructed Environment

#### Providing Constructed Environment Students with the Necessary Skills for Employment: Finding the Required Soft Skills

Dr. Pat Crawford, School of Planning, Design, and Construction, Michigan State University, East Lansing, USA  
Robert Dalton, School of Planning, Design, and Construction, Michigan State University, East Lansing, USA  
**Overview:** This study highlights the statistical differences of Constructed Environment professions as compared to other profession types in the preference of soft skill development of entry level hires.

**Theme:** Social Impacts

#### The Relationship between Entrance Requirement and Performance in Surveying Courses

Akinwumi Akinpelu, Department of Building Technology, Lagos State Polytechnic, Ikorodu, Lagos, Nigeria  
**Overview:** This paper explores the relationship between tertiary educational institution entry requirements and student academic performance in surveying courses.

**Theme:** Social Impacts

#### Best Practices for On-line Studio Delivery

Prof. Craig Griffen, Architecture, Philadelphia University, Philadelphia, USA  
**Overview:** Much skepticism exists that on-line studio delivery can replace the face-to-face interaction of on-site. This grant-based research on established on-line programs summarizes what is working well and what challenges remain.

**Theme:** Design and Planning Processes

#### Factors Affecting Students’ Academic Performance in a Building Technology Program in Nigeria

Olatunji Abisuga, Department of Building Technology, Lagos State Polytechnic, Lagos, Nigeria  
Olalekan Oshodi, Department of Building Technology, Bells University of Technology, Ota, Lagos, Nigeria  
**Overview:** This study was carried out to identify critical factors that affect the poor academic performance of undergraduate students in a building technology program in Nigeria.

**Theme:** Social Impacts
### Friday, 17 October

#### Room 3
**Workshops**

Crowdsourcing to Promote Citizen Engagement with the Urban Forest  
Andrew Thompson, Azavea, Philadelphia, USA  
Overview: In this interactive workshop, we will use PhillyTreeMap.org to demonstrate how volunteers can contribute to a citizen science initiative to map and explore the urban forest using the OpenTreeMap software.  
Theme: Environmental Impacts

**I See What You Mean: The Changing Nature of Physical Interactivity in Architectural Media**  
Andrew Brody, Department of Interior Design, Endicott College, Beverly, USA  
Overview: In this workshop, participants will examine and evaluate the haptic nature of 2D and 3D media at different scales and delivery methods (print, projected, on mobile devices).  
Theme: Design and Planning Processes

#### Room 4
**Colloquium**

The Social Dimensions of Green Building  
Dr. Aaron Passell, Department of Sociology, Furman University, Greenville, USA  
Dr. Beth Duckles, Department of Sociology and Anthropology, Bucknell University, Lewisburg, USA  
Dr. Jonathan Bean, School of Management, Bucknell University, Lewisburg, USA  
Dr. Joseph F. Cabrera, Department of Sociology and Criminal Justice, Marywood University, Scranton, USA  
Christine Mondor, evolveEA, Pittsburgh, USA  
Overview: This colloquium involves social scientific investigations of the influence of the Passive House, sociability in Civano, the creation of LEED v.4, the potential of resiliency, and the emergence of LEED-ND.  
Theme: Design and Planning Processes

#### Room 5
**Adaptation and Renewal in Urban Spaces**

Modernizing Downtown: The Aluminum Town Square of Paola, Kansas in the 1970s  
Tait Johnson, The Illinois School of Architecture, University of Illinois at Urbana-Champaign, Champaign, USA  
Overview: Reflecting on the removal of controversial aluminum cladding over entire blocks in downtown Paola, Kansas, this study explores how a design intervention once conceived as vital can quickly become disdained.  
Theme: Design and Planning Processes

Strategic Additions: Reconsidering Architecture’s Stepchild  
Caryn Brause, Department of Architecture, University of Massachusetts Amherst, Amherst, USA  
Overview: This paper documents a design research project exploring existing housing stock through the lens of embodied energy and location efficiency to invigorate design and alter project implementation within the discipline.  
Theme: Design and Planning Processes

Peripheral Typologies: Cataloging the Ruins of Houston  
Prof. John Craig Babe, Department of Architecture, Texas A&M University, College Station, USA  
Prof. Gregory Marinic, Architecture, University of Houston, Houston, USA  
Overview: Cataloging Houston’s discarded landscapes, defining its typologies (neighborhoods, individual properties, commercial strips, shopping malls, etc.) and highlighting the urgency of redefining the city’s consensus toward urban place making.  
Theme: Design and Planning Processes

Urban Parks Development and Management in Developing Societies: The Example of Akure, Ondo State, Nigeria  
Dr. Afolabi Aribigbola, Faculty of Social and Management Sciences, Adekunle Ajasin University, Akungba Akoko, Nigeria  
Dr. Afolabi Francis Fatusin, Faculty of Social and Management Sciences, Adekunle Ajasin University, Akungba, Nigeria  
Overview: This paper identifies and discusses the challenges associated with parks development and maintenance in the study area and suggests how to improve the prevailing situation.  
Theme: Design and Planning Processes

#### 15:00-15:15  
**Coffee Break**
<table>
<thead>
<tr>
<th>15:15-16:55</th>
<th>PARALLEL SESSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Room 1</strong></td>
<td>Sociologies and Theories of the Constructed Environment</td>
</tr>
<tr>
<td>Frederick Strouts’ Architectural Commissions in Canterbury, New Zealand (1881-87): From the Records and Diaries of Percival Selwyn Richards</td>
<td></td>
</tr>
<tr>
<td>Dr. Gay Sweely, Department of Art and Design (Art History), Eastern Kentucky University, Richmond, USA</td>
<td></td>
</tr>
<tr>
<td>Overview: Prominent colonial architect Frederick Strouts practiced after 1859 in New Zealand. His articled pupil P.S. Richards’ diaries, from 1881-87, were recently discovered in Australia with new information concerning Strouts’ practice. Theme: Design and Planning Processes</td>
<td></td>
</tr>
<tr>
<td>(Re)constructing Rome: The Dialogue between Urban Landscapes, Architecture, and Pictorial Media in Antiquity</td>
<td></td>
</tr>
<tr>
<td>Allison Kidd, Institute of Fine Arts, New York University, New York City, USA</td>
<td></td>
</tr>
<tr>
<td>Overview: This paper examines pictorial representations of Roman architecture and urban landscapes in an effort to decode the ways in which built environments were perceived and conceived in antiquity. Theme: Design and Planning Processes</td>
<td></td>
</tr>
<tr>
<td>The New Deal and the Landscapes of Montana: Landscape Change Following Natural and Economic Disaster</td>
<td></td>
</tr>
<tr>
<td>Dr. Jody Beck, Department of Landscape Architecture, University of Colorado Denver, Denver, USA</td>
<td></td>
</tr>
<tr>
<td>Overview: Contrary to popular imagination, Federal investments in rural electrification, tourism infrastructure, road building, and agricultural supports in response to the Great Depression have significantly shaped the landscapes of Montana. Theme: Social Impacts</td>
<td></td>
</tr>
<tr>
<td>Building Theories: Constructing an Ethos of Making for Contemporary Architecture</td>
<td></td>
</tr>
<tr>
<td>Dr. Franca Trubiano, Architecture Department, University of Pennsylvania, Philadelphia, USA</td>
<td></td>
</tr>
<tr>
<td>Overview: This paper posits an alternative definition of architectural theory attendant to both the material and ethical complexities faced by architects who participate in highly globalized technological and networked practices. Theme: Social Impacts</td>
<td></td>
</tr>
<tr>
<td><strong>Room 2</strong></td>
<td>Heritage Preservation</td>
</tr>
<tr>
<td>Preserving Tel Aviv-Jaffa: From Urban to Ex-territorial Zoning, Urban Planning Mechanisms and Their Social Impacts</td>
<td></td>
</tr>
<tr>
<td>Efrat Vertes, David Azrieli School of Architecture, The David and Yolanda Kats Faculty of Arts, Tel Aviv University, Tel Aviv-Jaffa, Israel</td>
<td></td>
</tr>
<tr>
<td>Overview: This paper compares three zoning plan types used in the preservation of Tel Aviv-Jaffa’s built heritage. Their outcomes reveal changes in urban planning mechanisms while exposing preservation’s social cost. Theme: Social Impacts</td>
<td></td>
</tr>
<tr>
<td>The Role of Local Government in the Planning and Preservation Process of Alleyways in Japan: The Case of Kyoto</td>
<td></td>
</tr>
<tr>
<td>Yu Yoshih, School of Environment, Education, and Development, The University of Manchester, Manchester, UK</td>
<td></td>
</tr>
<tr>
<td>Overview: This paper discusses the importance of the alleyway as social spaces in the Japanese context and introduces the recent approach of the local government to protect those spaces. Theme: Design and Planning Processes</td>
<td></td>
</tr>
<tr>
<td>Transforming Historic City Centers: The Impact of Temporary Architecture on Urban Heritage</td>
<td></td>
</tr>
<tr>
<td>Ewelina Anna Wozniak-Szpakiewicz, Faculty of Architecture, Institute of Urban Design, International Centre of Education, Cracow University of Technology, Cracow, Poland</td>
<td></td>
</tr>
<tr>
<td>Overview: Historical preservation often limits the possibility of introducing contemporary forms in heritage sites. Within this context, temporary architecture sets a precedent as an experimental tool while appreciating these historical centers. Theme: Social Impacts</td>
<td></td>
</tr>
<tr>
<td>A Comparative Study on Western and Japanese Modern Ruins: Toward a New Approach to Urban Rehabilitation</td>
<td></td>
</tr>
<tr>
<td>Dr. Federico Scarioni, Faculty of Engineering Department of Architecture, The University of Tokyo, Bunkyo, Italy</td>
<td></td>
</tr>
<tr>
<td>Overview: This research is a comparison between Western and Japanese cultural and aesthetic approaches to modern ruins and how the two societies try to gain back those remnants for urban life. Theme: Social Impacts</td>
<td></td>
</tr>
</tbody>
</table>
### Room 3: Dynamics of Urban Built Environment and Housing Projects

#### Back to the Future: Reform-era Urban Housing in China
**Benjamin Gianni**, Aznai School of Architecture and Urbanism, Carleton University, Ottawa, Canada  
**Overview:** This paper explores both sides of the debate over the sustainability of large-parcel, high-rise residential developments in China.  
**Theme:** Social Impacts

#### Consumer Participation in Public Housing Design and Development: A Panacea for Post-occupancy Modification of Residential Buildings in Southeastern Nigeria
**Dr. Steve Ikpendu Nwankwo**, Department of Architecture, Abia State University, Uturu, Owerri, Nigeria  
**Prof. Joseph Ogboogu Diogu**, Department of Architecture, Imo State University, Owerri, Nigeria  
**Chidiuto Victoria Nwankwo**, Department of Estate Management, Abia State University, Uturu, Owerri, Nigeria  
**Overview:** Housing estates in South East Nigeria have witnessed different forms of post-occupancy. This research evaluates two housing estates in Owerri, attempting to sustain the character of future housing estates.  
**Theme:** Social Impacts

#### Urban Housing in Nigeria: Challenges and Prospects for Sustainable Urban Development
**Juwainiyah Adenike Adebayo**, Department of Architecture, College of Environmental Sciences, Faculty of Environmental Design and Management, Crescent University, Nigeria/Obafemi Awolowo University, Ile-Ife, Nigeria  
**Dr. Adesoji David Jiboye**, Department of Architecture, Obafemi Awolowo University, Ile-Ife, Nigeria  
**Overview:** Through a survey of housing conditions in Nigerian cities, this study examines the effects and challenges of inadequate and substandard housing on the people and on sustainable development in Nigeria.  
**Theme:** Social Impacts

#### The Impact of Nigerian Urban Commercial Built Environment on Response Choices of Endangered Humans on Scenes of Explosive and Incendiary Acts of Terror
**Arch. Adedeji Adeboye Adedeji**, Department of Architecture, Moshood Abiola Polytechnic, Abeokuta, Nigeria  
**Overview:** This research investigated some spatial parameters of the Nigerian urban built environment that limits the response choices available to endangered humans on the scenes of explosive/incendiary acts of terror.  
**Theme:** Social Impacts

### Room 4: Challenges for Design Planning and Practices

#### Organics Shaped by and Shaping the Constructed Environment
**Dr. Lelia M. Farah**, Department of Architectural Science, Ryerson University, Toronto, Canada  
**Michael Good**, John H. Daniels Faculty of Architecture, Landscape, and Design, University of Toronto, Toronto, Canada  
**Overview:** This paper examines the physical relationships between organic waste flows on Toronto’s urban fabric.  
**Theme:** Design and Planning Processes

#### Seven Lochs Wetland Park: Masterplan and Visioning Study, Glasgow and North Lanarkshire
**Nick Walker**, Mackintosh School of Architecture, Glasgow School of Art, Glasgow, UK  
**Overview:** Can endangered species and landscape be protected by the formation of a wetland park, whose very creation is reliant on developer contributions from the construction of housing in the park?  
**Theme:** Design and Planning Processes

#### Visual Openness in Urban Environments: Measuring Visual Openness and Visibility to Natural Landscapes in a Changing Urban Landscape in Gold Coast, Australia
**Ata Tara**, Faculty of Creative Industries, School of Design, Queensland University of Technology, Brisbane, Australia  
**Overview:** This paper explores the improvement of urban assessments to analyze visual openness and closure in complex urban contexts by using recent advances in GIS and survey systems.  
**Theme:** Design and Planning Processes

### Room 5: Environmental Impacts and Decision Making

#### An Environmental Impact Analysis of a Waste Water Treatment Plant
**Surya Bala**, Building Technology and Construction Management Division Civil Engineering Department, Indian Institute of Technology Madras, Chennai, India  
**Prof. Ananthanarayanan Kuppuswamy**, Building Technology and Construction Management Division Civil Engineering Department, Indian Institute of Technology Madras, Chennai, India  
**Overview:** This paper develops a model of energy efficient alternatives for the reduction of energy consumption based on the life cycle energy and cost analysis of a waste water treatment plant.  
**Theme:** Environmental Impacts

#### The Appeal of Amenity: A Review of Planning and Environment Court Appeals Regarding Visual Amenity of Proposed Built Form
**Alan Robert Ferrer Chenoweth**, Cardno Chenoweth Environment, Cardno Pty Ltd, Brisbane, Australia  
**Overview:** "Visual amenity" is increasingly subject to modeling and GIS mapping; and also to legal interpretation by courts. Six appeal cases are reviewed which have tested planning scheme protection of "amenity."  
**Theme:** Social Impacts
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:00-17:30</td>
<td><strong>CLOSING SESSION</strong> – JEFFERY S. POSS, FAIA, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, USA</td>
</tr>
<tr>
<td>18:30-19:00</td>
<td><strong>CONFERENCE DINNER</strong> AT FRANKFORD HALL</td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Olatunji Abisuga</td>
<td>Lagos State Polytechnic</td>
</tr>
<tr>
<td>Justina A. Adavbiele</td>
<td>Ambrose Ali University</td>
</tr>
<tr>
<td>Stephen A. Adavbiele</td>
<td>Ambrose Ali University, Ekpoma</td>
</tr>
<tr>
<td>Adedeji Adebola</td>
<td>Moshood Abiola Polytechnic</td>
</tr>
<tr>
<td>Ali</td>
<td>The University of Tokyo</td>
</tr>
<tr>
<td>Akinwumi Akinpelu</td>
<td>Lagos State Polytechnic</td>
</tr>
<tr>
<td>Valentina Alberti</td>
<td>Sapienza University of Rome</td>
</tr>
<tr>
<td>Allen W. Johnson</td>
<td>General Design, Inc.</td>
</tr>
<tr>
<td>Luis Felipe Amolo</td>
<td>Departamento de Urbanistica y Ordenación del Territorio</td>
</tr>
<tr>
<td>Solmaz Amiri</td>
<td>Washington State University</td>
</tr>
<tr>
<td>Naana Kagya Amonoo-Neizer</td>
<td>Consortium for Innovations In Human Settlements Development</td>
</tr>
<tr>
<td>Sumi An</td>
<td>Inje Univ</td>
</tr>
<tr>
<td>Afolabi Aribigbola</td>
<td>Adekunle Ajasin University</td>
</tr>
<tr>
<td>William S. Ayres</td>
<td>University of Oregon</td>
</tr>
<tr>
<td>John Craig Babe</td>
<td>Texas A&amp;M University/University of Houston</td>
</tr>
<tr>
<td>Sun-mi Bae An</td>
<td>Inje Univ</td>
</tr>
<tr>
<td>Daniel A. Barber</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Ross Barney Beck</td>
<td>University of Colorado Denver</td>
</tr>
<tr>
<td>Justin Bellucci</td>
<td>University of Colorado in Boulder</td>
</tr>
<tr>
<td>Katia da Costa Bezerra</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>Sara Bindo</td>
<td>Sapienza University of Rome</td>
</tr>
<tr>
<td>Martie Bitzer</td>
<td>University of the Free State</td>
</tr>
<tr>
<td>Pedro Blanco</td>
<td>Pedro Blanco Arquitectural Studio</td>
</tr>
<tr>
<td>Mark Blizzard</td>
<td>University of Texas at San Antonio</td>
</tr>
<tr>
<td>Caryn Brause</td>
<td>University of Massachusetts Amherst</td>
</tr>
<tr>
<td>Andrew Brody</td>
<td>Endicott College</td>
</tr>
<tr>
<td>Kaitlin Bundy</td>
<td>IIN Development, Corp.</td>
</tr>
<tr>
<td>Joseph F. Cabrera</td>
<td>University of La Verne</td>
</tr>
<tr>
<td>Helena Chance</td>
<td>Buckinghamshire New University</td>
</tr>
<tr>
<td>Rachel Cheetham-Richard</td>
<td>Azavea</td>
</tr>
<tr>
<td>Peter Chen</td>
<td>Nanyang Technological University</td>
</tr>
<tr>
<td>Alan Robert Farrer</td>
<td>Cardno Pty Ltd</td>
</tr>
<tr>
<td>Hee.young Cho</td>
<td>Inje Univ</td>
</tr>
<tr>
<td>Ifeanyi Chukwujama</td>
<td>Nigerian Defence Academy</td>
</tr>
<tr>
<td>Malcolm Compitello</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>Pat Crawford</td>
<td>Michigan State University</td>
</tr>
<tr>
<td>Neil Desnoyers</td>
<td>LeBow College of Business</td>
</tr>
<tr>
<td>Christopher Domin</td>
<td>University of Arizona</td>
</tr>
<tr>
<td>Kimberly Drennan</td>
<td>University of Colorado, Boulder</td>
</tr>
<tr>
<td>Winka Dubbeldam</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>Beth Duckles</td>
<td>Bucknell University</td>
</tr>
<tr>
<td>Natalie Ellis</td>
<td>University of Oklahoma</td>
</tr>
<tr>
<td>Paulina Espinosa</td>
<td>KU Leuven</td>
</tr>
<tr>
<td>Leilla M. Farah</td>
<td>Ryerson University</td>
</tr>
<tr>
<td>Afolabi Francis Fatusin</td>
<td>Adekunle Ajasin University</td>
</tr>
<tr>
<td>Reza Foroughi</td>
<td>Independent</td>
</tr>
<tr>
<td>Koorosh Gharehbaghi</td>
<td>IEAust</td>
</tr>
<tr>
<td>Enrica Gialanella</td>
<td>Sapienza University of Rome</td>
</tr>
<tr>
<td>Benjamin Gianni</td>
<td>Carleton University</td>
</tr>
<tr>
<td>Ambrose Rufus Gillick</td>
<td>Glasgow School of Art</td>
</tr>
<tr>
<td>Daniel Gilmore</td>
<td>Drexel University</td>
</tr>
<tr>
<td>Name</td>
<td>Affiliation</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Craig</td>
<td>Griffen</td>
</tr>
<tr>
<td>Mahyar</td>
<td>Hadighi</td>
</tr>
<tr>
<td>Sally</td>
<td>Harrison</td>
</tr>
<tr>
<td>Kadi</td>
<td>Hayet</td>
</tr>
<tr>
<td>Marianne</td>
<td>Holbert</td>
</tr>
<tr>
<td>Ming</td>
<td>Hu</td>
</tr>
<tr>
<td>Mohammed H.</td>
<td>Ibrahim</td>
</tr>
<tr>
<td>Kamaldeen B.</td>
<td>Ibrahim-Adeleji</td>
</tr>
<tr>
<td>Thomas Stephen</td>
<td>Ijimdiya</td>
</tr>
<tr>
<td>Adesoji David</td>
<td>Jiboye</td>
</tr>
<tr>
<td>Tait</td>
<td>Johnson</td>
</tr>
<tr>
<td>Hojeong</td>
<td>Kang</td>
</tr>
<tr>
<td>Michael Garry</td>
<td>Keegan</td>
</tr>
<tr>
<td>Allison</td>
<td>Kidd</td>
</tr>
<tr>
<td>Lindsay</td>
<td>Knapp</td>
</tr>
<tr>
<td>Kihong</td>
<td>Ku</td>
</tr>
<tr>
<td>Anil</td>
<td>Kumar</td>
</tr>
<tr>
<td>Ananthananayanan</td>
<td>Kuppuswamy</td>
</tr>
<tr>
<td>Olufunmbi Oludunsin</td>
<td>Kuye</td>
</tr>
<tr>
<td>Hyunjin</td>
<td>Lee</td>
</tr>
<tr>
<td>Aaron</td>
<td>Levy</td>
</tr>
<tr>
<td>Rui</td>
<td>Liu</td>
</tr>
<tr>
<td>Yajing</td>
<td>Liu</td>
</tr>
<tr>
<td>Alberto Casado</td>
<td>Lordsleem Jr.</td>
</tr>
<tr>
<td>Laura</td>
<td>Malinin</td>
</tr>
<tr>
<td>Gregory</td>
<td>Marinic</td>
</tr>
<tr>
<td>Kiwana</td>
<td>McClung</td>
</tr>
<tr>
<td>Macbeda Uche</td>
<td>Michael-Agwuoke</td>
</tr>
<tr>
<td>Katherine</td>
<td>Mitchell</td>
</tr>
<tr>
<td>Kumar</td>
<td>Mithraratne</td>
</tr>
<tr>
<td>Nalanie</td>
<td>Mithraratne</td>
</tr>
<tr>
<td>Josephine</td>
<td>Mmojeje</td>
</tr>
<tr>
<td>Maria Grazia</td>
<td>Montella</td>
</tr>
<tr>
<td>Kara</td>
<td>Mowery</td>
</tr>
<tr>
<td>Rouzbeh</td>
<td>Nazari</td>
</tr>
<tr>
<td>Chidiuto Victoria</td>
<td>Nwankwo</td>
</tr>
<tr>
<td>Steve Ikpendu</td>
<td>Nwankwo</td>
</tr>
<tr>
<td>Marcellinus U.</td>
<td>Okafor</td>
</tr>
<tr>
<td>Yasemin</td>
<td>Oksel</td>
</tr>
<tr>
<td>Emil</td>
<td>Osorio Schmied</td>
</tr>
<tr>
<td>Francisco</td>
<td>Palmeira de Lucena</td>
</tr>
<tr>
<td>Aaron</td>
<td>Passell</td>
</tr>
<tr>
<td>Leonora S.</td>
<td>Paula</td>
</tr>
<tr>
<td>Caroline</td>
<td>Porter</td>
</tr>
<tr>
<td>Jeffery S.</td>
<td>Poss</td>
</tr>
<tr>
<td>Andrew</td>
<td>Ray</td>
</tr>
<tr>
<td>Alessandro</td>
<td>Rinaldi</td>
</tr>
<tr>
<td>Anthony S.</td>
<td>Russell</td>
</tr>
<tr>
<td>Federico</td>
<td>Scaroni</td>
</tr>
<tr>
<td>Deborah</td>
<td>Schneiderman</td>
</tr>
<tr>
<td>Olga</td>
<td>Sendra Ferrer</td>
</tr>
<tr>
<td>Name</td>
<td>First Name</td>
</tr>
<tr>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Samia</td>
<td>Sharmin</td>
</tr>
<tr>
<td>Uhram</td>
<td>Song</td>
</tr>
<tr>
<td>Andrew Mhya</td>
<td>Stanley</td>
</tr>
<tr>
<td>Raha</td>
<td>Sulaiman</td>
</tr>
<tr>
<td>Gay</td>
<td>Sweely</td>
</tr>
<tr>
<td>Katherine</td>
<td>Switala-Elmhurst</td>
</tr>
<tr>
<td>Ata</td>
<td>Tara</td>
</tr>
<tr>
<td>Christina</td>
<td>Teichroew</td>
</tr>
<tr>
<td>Andrew</td>
<td>Thompson</td>
</tr>
<tr>
<td>Railesha</td>
<td>Tiwari</td>
</tr>
<tr>
<td>Franca</td>
<td>Trubiano</td>
</tr>
<tr>
<td>Michael H.</td>
<td>Turk</td>
</tr>
<tr>
<td>Vidhya</td>
<td>Venugopal</td>
</tr>
<tr>
<td>Efrat</td>
<td>Vertes</td>
</tr>
<tr>
<td>Hans Peter (Hepi)</td>
<td>Wachter</td>
</tr>
<tr>
<td>Amy</td>
<td>Wagenfeld</td>
</tr>
<tr>
<td>Matthew</td>
<td>Wagner</td>
</tr>
<tr>
<td>Nick</td>
<td>Walker</td>
</tr>
<tr>
<td>Julie</td>
<td>Whitmore</td>
</tr>
<tr>
<td>Ewelina Anna</td>
<td>Szpakiewicz</td>
</tr>
<tr>
<td>So Hee</td>
<td>Yoon</td>
</tr>
<tr>
<td>Yu</td>
<td>Yoshii</td>
</tr>
</tbody>
</table>
A Social Knowledge Platform
Create Your Academic Profile and Connect to Peers

Developed by our brilliant Common Ground software team, Scholar connects academic peers from around the world in a space that is modulated for serious discourse and the presentation of knowledge works.

Utilize Your Free Scholar Membership Today through

- Building your academic profile and list of published works.
- Joining a community with a thematic or disciplinary focus.
- Establishing a new knowledge community relevant to your field.
- Creating new academic work in our innovative publishing space.
- Building a peer review network around your work or courses.

Scholar Quick Start Guide
2. Enter a “blip” (a very brief one-sentence description of yourself).
3. Click on the “Find and join communities” link located under the YOUR COMMUNITIES heading (On the left hand navigation bar).
4. Search for a community to join or create your own.

Scholar Next Steps – Build Your Academic Profile

- **About**: Include information about yourself, including a linked CV in the top, dark blue bar.
- **Interests**: Create searchable information so others with similar interests can locate you.
- **Peers**: Invite others to connect as a peer and keep up with their work.
- **Shares**: Make your page a comprehensive portfolio of your work by adding publications in the Shares area - be these full text copies of works in cases where you have permission, or a link to a bookstore, library or publisher listing. If you choose Common Ground’s hybrid open access option, you may post the final version of your work here, available to anyone on the web if you select the ‘make my site public’ option.
- **Image**: Add a photograph of yourself to this page; hover over the avatar and click the pencil/edit icon to select.
- **Publisher**: All Common Ground community members have free access to our peer review space for their courses. Here they can arrange for students to write multimodal essays or reports in the Creator space (including image, video, audio, dataset or any other file), manage student peer review, co-ordinate assessments, and share students’ works by publishing them to the Community space.
A Digital Learning Platform

Use Scholar to Support Your Teaching

Scholar is a social knowledge platform that transforms the patterns of interaction in learning by putting students first, positioning them as knowledge producers instead of passive knowledge consumers. Scholar provides scaffolding to encourage making and sharing knowledge drawing from multiple sources rather than memorizing knowledge that has been presented to them.

Scholar also answers one of the most fundamental questions students and instructors have of their performance, "How am I doing?" Typical modes of assessment often answer this question either too late to matter or in a way that is not clear or comprehensive enough to meaningfully contribute to better performance.

A collaborative research and development project between Common Ground and the College of Education at the University of Illinois, Scholar contains a knowledge community space, a multimedia web writing space, a formative assessment environment that facilitates peer review, and a dashboard with aggregated machine and human formative and summative writing assessment data.

The following Scholar features are only available to Common Ground Knowledge Community members as part of their membership. Please email us at support@cgscholar.com if you would like the complimentary educator account that comes with participation in a Common Ground conference.

- Create projects for groups of students, involving draft, peer review, revision and publication.
- Publish student works to each student’s personal portfolio space, accessible through the web for class discussion.
- Create and distribute surveys.
- Evaluate student work using a variety of measures in the assessment dashboard.

Scholar is a generation beyond learning management systems. It is what we term a Digital Learning Platform—it transforms learning by engaging students in powerfully horizontal ‘social knowledge’ relationships. For more information, visit: http://knowledge.cgscholar.com.
The Constructed Environment Journal seeks an editor, or team of editors, for a one-year term. This is an opportunity to make a significant contribution to a leading journal and, more broadly, the conference and book imprint associated with the journal.

The roles of the editor are to:

- Suggest a special theme that might become a panel at the conference, a special journal issue, or an edited book.
- Select papers addressing the special theme and compile them in an edited book to be launched at the conference at the completion of the editor’s term. The chapters may be drawn from submissions to the journal during this or recent years and other material, as considered appropriate.
- Suggest plenary speakers for the conference, preferably from the conference locale, and to contribute papers to the journal.
- Recommend the journal to your colleagues; solicit submissions from members of your professional network.
- Serve as an advisor for the selection of the International Award for Excellence and the papers to include in the Annual Review.
- Maintain a significant presence within the community via social media (e.g. via Facebook, Twitter, Community, and our website and monthly e-newsletter).

The editor will be offered a complimentary electronic subscription to The Constructed Environment Journal, an electronic subscription to the book imprint, and complimentary registrations to attend the conferences at the beginning and end of their term.

Applicants are asked to send the following to journals@commongroundpublishing.com:

- A cover letter outlining interest and relevant experience
- CV
- A suggestion for a special theme with a paragraph explanation or outline.

The deadline for applications is 16 January 2015.