Fourth International Conference on The Constructed Environment

constructedenvironment.com
FOURTH INTERNATIONAL CONFERENCE ON THE CONSTRUCTED ENVIRONMENT

UNIVERSIDADE NOVA DE LISBOA
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www.ConstructedEnvironment.com
# TABLE OF CONTENTS

Welcome Letter ........................................................................................................ 5
About Common Ground ........................................................................................... 6
The Knowledge Community ....................................................................................... 7
  Community Focus .................................................................................................. 7
  Scope and Concerns ............................................................................................... 7
  Engaging in the Community .................................................................................. 8
International Advisory Board ................................................................................... 8
The Conference ........................................................................................................... 9
  Conference Principles and Features .................................................................. 9
  Session Descriptions ......................................................................................... 10

Conference Program and Schedule ................................................................. 11
  Daily Schedule .................................................................................................... 13
  Conference Highlights ...................................................................................... 13
  Plenary Speakers ............................................................................................... 14
  Graduate Scholar Recipients ............................................................................ 15
  Schedule of Sessions ......................................................................................... 16
  List of Participants ............................................................................................. 24

Scholar ...................................................................................................................... 25
Dear Constructed Environment Conference Delegates,

Welcome to the Fourth International Conference on the Constructed Environment.

This 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. Held alongside the 2013 Lisbon Architecture Triennale, we hope the festival provides another outlet for critical reflection on the forms and functions of the constructed environment.

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 Common Ground colleagues who have put such a significant amount of work into this conference: Emily Kasak, Kathryn Weisbaum, 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. We also hope you will join us at the Fifth International Conference on the Constructed Environment to be held in Philadelphia, USA at the University of Pennsylvania, 16-17 October 2014.

Yours Sincerely,

Bill Cope
Director, Common Ground Publishing
Professor, Educational Policy, Organizational and Leadership
University of Illinois at Urbana-Champaign, USA
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 submission, peer review, and production processes. 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, provides path-breaking platforms for online discussions and networking, as well as for creating, reviewing, and disseminating text and multi-media works.
THE CONSTRUCTED ENVIRONMENT KNOWLEDGE COMMUNITY

Community Focus

The concerns of this conference aim to open broad-ranging and interdisciplinary conversations on human configurations of the environment and the interactions among the constructed, social and natural environments. These knowledge forums bring together researchers, teachers and practitioners to discuss questions of shared interest and common concern. The resulting conversations weave between the empirical and the theoretical, research and its application, the ideal and the pragmatic, and structures and spaces which represent private, public, community or commercial orientations.

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, this knowledge community brings an interdisciplinary, international perspective to discussions of new developments in the field, including research, practice, policy, and teaching. Specific themes of interest to this community include:

• Theme 1: Design Planning and Processes
• Theme 2: Building Processes
• Theme 3: Environment Impacts
• Theme 4: Social Impacts

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.

Environmental 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?
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 International Journal of the Constructed Environment*. 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 International Journal of the Constructed Environment*. We also invite you to consider submitting a proposal for the book series, perhaps a manuscript or set of collected works.

Engage Through Social Media
There are several methods for ongoing 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.
- **Facebook**: Comment on current news, view photos from the conference, and take advantage of special benefits for community members at: www.facebook.com/ConstructedEnvironment.CG
- **Twitter**: Follow the community: @constructedenvi
- **YouTube Channel**: View online presentations or create your own at www.youtube.com/user/CGPublishing. See instructions at http://constructedenvironment.com/the-conference/types-of-conference-sessions/online-presentations
- **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 and for steps on creating an account, please see page 27.

INTERNATIONAL ADVISORY BOARD FOR THE CONSTRUCTED ENVIRONMENT COMMUNITY

- Kathryn H. Anthony, School of Architecture, University of Illinois at Urbana-Champaign, USA
- Naima Chabbi-Chemrouk, Ecole Polytechnique d’Architecture et d’Urbanisme, Algiers, Algeria
- Tracy S. Harris, The American Institute of Architects, Washington, D.C., USA
- Jeffery S. Poss, FAIA, School of Architecture, University of Illinois at Urbana-Champaign, USA
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 20 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. When possible, a second Talking Circle is held on the final day of the conference, for the original group to reconvene and discuss changes in their perspectives and understandings as a result of the conference experience. Reports from the Talking Circles provide a framework for the delegates’ final discussions during the Closing Session.

Paper Presentations in Thematic Sessions
Paper presentations are grouped by general themes or topics into sessions comprised of three or four 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.

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.

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 YouTube presentation 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**

**Friday, 4 October**
- 08:30-09:00: Conference Registration Desk Open
- 09:00-09:30: Conference Opening and Host Remarks
- 09:30-10:05: Plenary Session – Beatrice Galilee
- 10:05-10:50: Garden Session and Coffee Break
- 10:50-11:35: Talking Circles
- 11:35-12:25: Lunch
- 12:25-14:05: Parallel Sessions
- 14:05-14:20: Break
- 14:20-16:00: Parallel Sessions
- 16:00-17:00: Welcome Reception

**Saturday, 5 October**
- 08:45-09:15: Conference Registration Desk Open
- 09:15-09:30: Host Remarks
- 09:30-10:05: Plenary Session – Mark Harris
- 10:05-10:35: Garden Session and Coffee Break
- 10:35-12:15: Parallel Sessions

**CONFERENCE HIGHLIGHTS**

**Welcome Cocktail Reception**
**Date:** Friday, 4 October – 16:00-17:00

**Description:** Common Ground Publishing and The Constructed Environment Conference will be hosting a Welcome Reception on 4 October following the last session of the day. All delegates are welcome to attend and enjoy complimentary refreshments. This is an excellent opportunity to network and get to know your fellow delegates.

**CONFERENCE SECRETARIAT**

- Emily Kasak
- Kathryn Weisbaum
- Jessica Wienhold-Brokish
PLENARY SPEAKERS

Beatrice Galilee (*1982, London) is a London-based curator, writer, critic, consultant and lecturer of contemporary architecture and design. Trained in Architecture at Bath University, and in History of Architecture at the Bartlett School of Architecture, UCL, Beatrice specialises in the dissemination of architecture through media, curatorial practice, research, editing and teaching.

Beatrice is the newly appointed Chief Curator for the 2013 Lisbon Architecture Triennale. She is the co-founder and director of The Gopher Hole, an exhibition and event space in London, architectural consultant and writer at DomusWeb, and associate lecturer at Central St Martins. She is a curator at the 2011 Gwangju Design Biennale in Korea, which is directed by Ai Wei Wei and Seung H-Sang, and a freelance contributor to a number of international publications on architecture and design.

In 2009 Beatrice was invited to work in Beijing as European curator of the 2009 Shenzhen Hong Kong Bi-City Biennale of Architecture and Urbanism, directed by Ou Ning and also work as a curator at Shao Foundation. During that period she co-curated Convergence 142, an exhibition in Ordos, Inner Mongolia with Joseph Grima.

From 2006-2009 Beatrice was Architecture Editor for Icon Magazine, one of Europe’s leading publications in architecture and design. Throughout her time at Icon, Beatrice prioritized breaking news and interviews with young and emerging practices as well as pursuing social and politically oriented topics for features and stories. In 2008 she won the IBP Architectural Journalist of the Year Award.

Beatrice Galilee’s writing has been published in a number of international magazines and books as well as mainstream newspapers. These include Domus, Abitare, MARK, Tank, Pin-Up, Above, Building Design, Architectural Review, Today, RIBA Journal, DAMn, Frame, Wallpaper, Another Magazine and the 2009 Serpentine Pavilion catalogue.

Mark Harris is the founding principal of markharris Architects, Inc., an architectural practice founded in 1991 and located in Colorado Springs, Colorado, USA. Before forming his private practice Harris apprenticed under Antoine Predock, FAIA, serving as project designer for several of the firms more noted early projects while also managing Antoine Predock’s Arizona office.

Harris’ previous work has received numerous national and international awards, including the prestigious 2003 American Architecture Award. Utilizing a highly collaborative process that focuses on in-depth programming, his work has been noted by award juries as ‘visionary, bold, and evocative’, creating a ‘cohesive and probing architecture that is both powerful and highly symbolic’. Considered an “emerging voice in architecture”, he has been a visiting lecturer, conference speaker, and studio critic at major national and international universities and conferences. He is the recent recipient of the prestigious Ucross Fellowship.

His current work is becoming known for it’s interest in combinatory urbanism, landscape art, cultural narrative within the built form, and component design theories. His current projects focus on mergers of the biological with the technological. Harris is a 24 year specialist in educational design and has innovated methods of applying these theories at the pedagogical level. His new educational prototypes have been cited as ‘visionary, truly where schools will go in the 21st century’ and ‘a viable solution to our current educational crisis’.

His forthcoming projects include the highly anticipated Parasol Building, the Inscriptions K-8 School, the House for a Parabolist, the ATHletics High School, and his proposals for the University of California-San Diego School of Genetic Engineering and Biotechnology and the (remote) United Nations Security Council Chambers.

Harris’ forthcoming book, “Memories of the Ruined Landscape-Hybrid Architectures of the 21st Century”, which deals with current and progressive notions of the architectural object within the constructed environment, will be published in late 2013.
GRADUATE SCHOLAR RECIPIENTS

Moulay Larbi Chalal is a young, ambitious Algerian architect who has just successfully accomplished his MA in Digital Architectural Design from the University of Salford Manchester with distinction. In addition, he is the winner of the “2013 Emerald/ international journal of Disaster Resilience prize for master dissertation”. Apart from his academic qualifications, he worked for a year as an architect at SET ART, a prominent building company in Algeria. He also had an invaluable experience in summer 2012 while doing his internship at ARC3, a British architectural firm situated in London. His long term career goal is to become a well reputed professor in Digital architecture; but for now, he is setting his sights on achieving a PhD which will increase his knowledge and skills and complement his motivation and passion for architecture.

Janelle Curry is working on her masters degree in planning with a focus on geodesign technology as it can be applied to post disaster redevelopment plans. Ms Curry's training and background is in exhibit, multimedia and graphic design for public spaces. This 3D design experience led to a passion for infill and sustainable redevelopment. As an independent developer, Ms Curry developed and managed the largest privately held arts community in Tucson, Arizona. Ms Curry continues to seek creative solutions for vacant and underutilized public and private buildings.

Elizabeth Edge is a graduate of Architecture from the Liverpool School of Art and Design, Liverpool John Moores University. She completed her BA (Hons) in 2009 and received her Masters in 2012. During her studies she developed a keen interest in exhibitions and curatorial practice. Her Masters of Architecture dissertation, entitled "The Biennial and the City" reported on the Liverpool Biennial International Festival of Contemporary Art and focused on how the festivals and interventions produced have worked with the architectural culture of the city of Liverpool which expanded her inquisitiveness of exhibitions towards biennials. This curiosity for exhibitions led her to co-curate the architecturally themed "Made in Liverpool" exhibition in October 2011, which explored the future of Liverpool's built environment and formed part of the Liverpool Design Festival. She gained valuable insight into the running of a large scale festival of architecture during a work placement, stewarding at the Venice Takeaway Exhibition of the British Pavilion at the 13th Architecture Biennale. Elizabeth is currently completing her Masters in Research, studying the development of architectural biennials and working as a part two architectural assistant in Liverpool.

Miriam Ho is an architectural designer engaged in developing material craft for conditions under rapid climate change. She is a co-founder of F_RMlab, a graduate research collective focused on advanced computational tools to support a renewed material knowledge. She has worked as a researcher at the UNESCO-endorsed Auroville Centre for Scientific Research, focusing on sustainable rural community rural development using traditional mud construction techniques, at the Gwangju International Centre documenting living conditions of the marginalized elderly community. She has also worked as an architectural designer in London, Toronto, Paris and New York for various firms including Dominique Perrault Architects, Jean de Gastines & Shigeru Ban Architects, and Philip Beesley Architecture Inc. She is completing her Masters of Architecture at the University of Waterloo.

Mehran Madani is a doctor of design with specializations in landscape architecture sustainable characteristics, built environment socio-spatial influences, and healthy community concerns of urban design and planning. He has recently taught several lecture, workshop, and studio courses in design, graphical communication, history of design, thesis programming, and digital technologies at the Department of Architecture and Landscape Architecture, at North Dakota State University (NDSU) and the Interdisciplinary Design Institute (IDI), at Washington State University (WSU). Prior to enrolling in the Doctor of Design program at Washington State University, he also taught as an adjunct faculty at the School of Design, at Westwood College (Anaheim, California) and worked as a landscape designer, urban planner, and project designer at Marius Ois & Associates and NAK Design Group (Toronto, Canada), and Urban Arena (Newport Beach, California). Mehran has published different articles and book chapters in Urban Land Magazine, Landscape Architecture Magazine, Research Book of the Danish Design School, Common Ground Publisher, the Environmental Design Research Association, and Cambridge Scholars Publishing regarding a human-centered approach to designing the built environment and improving human dimensions of sustainability. His recent research entails topics, such as “Social Conurbation and its impact on public life and health of older adults”, “Therapy by Design Thinking and Creativity Reclamation”, and “A New Representation of the Built Environment” as the constructed physical environment plus constructed social environment.

Ramón Serrano Avilés is a practicing architect in Madrid, Spain. He holds an MS Arch at Escuela Técnica Superior de Arquitectura de Madrid, and was awarded a scholarship to complete his studies at Illinois Institute of Technology, Chicago. He has received an MPhil degree in 'Architecture and Heritage' at Universidad Politécnica de Madrid, where he is currently a PhD candidate. He has been an invited lecturer in the 'Analysis, Theory and History of Architecture' Master program at Composición Arquitectónica Department, Universidad Politécnica de Madrid.
Friday
08:30-09:00

CONFERENCE REGISTRATION DESK OPEN

09:00-09:30

CONFERENCE OPENING
Jeffrey Poss, University of Illinois at Urbana-Champaign and Kathryn Weisbaum, Common Ground Publishing, USA

09:30-10:05

PLENARY SESSION
Beatrice Galilee – "The Plurality of Spatial Practice"
Chief Curator, Close-Closer, Lisbon Architecture Triennale, London, UK

10:05-10:50

GARDEN SESSION AND COFFEE BREAK – Featuring Beatrice Galilee

10:50-11:35

TALKING CIRCLES (STREAMS LISTED BELOW)
Room 1: Design and Planning Processes; Building Processes
Room 2: Environmental Impacts; Social Impacts

11:35-12:35

LUNCH

12:25-14:05

DESIGN AND PLANNING PROCESSES 1
Room 01
The Digital Window: Cinegraphic Analysis of the Urban Environment
Mark Blizard, University of Texas at San Antonio, United States — Curtis Fish, Root Architects, United States
This paper examines the use of digital video in the analysis of the urban environment, as a means of understanding, thinking about, and eventually transforming the city.

The Self-Organizing Project: An Ontological Frame for the Study of the Built-environment Project
Dr Michel de Blois, Université Laval, Canada
Projects influence, transform, and create the organizations and processes that conduct them, following a dynamic and iterative process, referred to as "self- organizing " and "structuring."
Technology as a Disruptive Change in the Iterative Process for Beginning Design Students
Dean Isham, East Tennessee State University, United States — Todd Emma, East Tennessee State University, United States

Active sketching for a designed environment is originated, followed by transforming the design through multiple iterations.

Dynamic Structures: From Concept to Real Space
Giannis Giannoutsos, Greece

This study focuses on what it means to design something that includes the forces of change, but specifically something that achieves this objective with the least possible impact (environmental, functional).

ENVIRONMENTAL IMPACTS 1
Room 02

Aggregates: Construction and Destruction of the Metropolitan Landscape
Ana María Osorio-Guzmán, Pontificia Universidad Javeriana, Colombia

Territorial relations and impacts on the landscape and the environment of mining aggregates, the main building material in Bogota’s Metropolitan Area.

 Embedded Hydrologies: Local Experiences of Water Scarcity in the Aral Sea Deltas
Miriam Ho, University of Waterloo, Canada

This paper examines existing water delivery infrastructures in relation to local perceptions of water scarcity, speculating upon new water typologies that may empower disadvantaged communities.

Green Roof Prototype for Airborne Sound Insulation
Ede Coromoto Martinez de Adrianza, Universidad del Zulia, Venezuela — Dr. Lesvia Pérez Laurens, Universidad del Zulia, Venezuela — Dr. Celso E. Llimpe Quintanilla, Pontificia Universidad Católica del Perú, Peru

A roof prototype made of green materials typical of the tropical region was designed in order to determine sound insulation by test in situ through measurement methodology of international standards.

The Sustainable Divide: Conflict of Preservation and Adaptive Green Design
Kristen Bender, Rhode Island School of Design, United States

The struggle comes down to two extremely differing ideologies: one that sees history as a freeze frame in time, and one that sees it as an ongoing change.

URBAN SPACES AND DYNAMICS 1
Room 03

The Changing Role of Traditional Urban Space in South Africa's Cities: A Case Study of Urban Space Connectors in Three South African Cities
Prof. Gavin McLachlan, Nelson Mandela Metropolitan University, South Africa

In the dispersed urban form electronic and transportation networks link communities for the rich, but in South Africa traditional urban space has to provide connection for the less sophisticated.
12:25-14:05 (Friday, Cont’d)

Gains and Losses: A Case Study of Ekpoma Town in Edo State, Nigeria
Dr. Justina A. Adavbiele, Ambrose Alli University, Nigeria

_Ekpoma, since the inception of a University and Teaching Hospital, has expanded rapidly from being a rural area to becoming an urban area. This paper examines the gains and losses._

The Transformation of Commercial Space in Kuwait: From the Souk to the Mall
Dr. Giovanna Potesta, Kuwait University, Kuwait

_The paper analyses the transformation of commercial space in Kuwait, focusing on the architecture of space, urban configuration, significance for the users._

14:05-14:20
Coffee Break

14:20-16:00
Social Impact Analysis
Room 01

“Favelas for Sale”: Resisting the “Easy” Links between Democracy and Urban Restructuring Plans
Prof. Katia da Costa Bezerra, University of Arizona, United States

_This communication focuses on Rio de Janeiro and explores the tense interrelation between mega events, an ongoing process of gentrification, and the residents’ struggle for the rights to the city._

Rebuilding Beirut: A Resilient Approach to Post-war Reconstruction
Dana Hamdan, Rhode Island School of Design, United States

_Adaptive reuse of buildings is the pathway to the resilience of cities that have been impacted by crisis, such as in Beirut’s case, by war._

Reconstructed Space: Staging Observations
Peter P. Goché, Iowa State University, United States

_In this presentation, I will discuss the role of staging observations in the reconstruction of a dormant topography in rural Iowa._

A Tale of Two Streets: The Gentrification of Working Class Areas in Madrid’s City Center
Prof. Malcolm Compitello, University of Arizona, United States

_This paper offers a case study of the changes that take place on two strategically situated streets of great historic importance in Madrid starting in the late 1980s._

Urban Planning and Design
Room 02

The Challenge of Contemporary Urban Fringe: Repairing Sprawl and the Project of the Urban in Uncertain Times
Prof. Luis Felipe Alonso, Departamento de Urbanística y Ordenación del Territorio, Spain

_An inter-scalar, long-term planning/shorter-term design, approach to the spatial restructuring, and the formal and functional reconstruction, of a supramunicipal, metropolitan territory of scattered urban growth._
Memories of the Ruined Landscape: Hybrid Architectures of the Twenty-first Century
Mark Harris, markharris ARCHITECTS, University of Colorado-Boulder, United States

This paper investigates the social and cultural root causation behind our current built environment, and speculates on emergent viewpoints and the architectures and urban plans possible.

Mies van der Rohe’s Illinois Institute of Technology: Spatial Experience and Structure in Post-war American Urban Planning
Ramón Serrano Avilés, Universidad Politécnica de Madrid, Spain

Understanding the design process of Mies's IIT offers an intervention model in the contemporary city through architectural design still in place today.

A New Representation of the Built Environment: Constructed Physical Environment and Man-made Social Environment
Mehran Madani, Washington State University, United States

This paper explores a new conceptual model for the built environment definition particularly from perspectives in the design disciplines regarding physical and social environments.

ENVIRONMENTAL IMPACTS 2
Room 03

Advantages and Disadvantages of the Straw Bale as Building Material
Larisa Brojan, University of Ljubljana, Slovenia — Dr. Peggi L. Clouston, University of Massachusetts, Amherst, United States

This paper will provide an overview of the state-of-the-art practices of straw bale construction in the extreme environmental conditions of New England, USA.

Global Warming Potential and the Light Steel Frame House
Catherine Herlihy, Swansea University, United Kingdom

An investigation of the environmental impact of using a steel frame structure for a UK residence in terms of Global Warming Potential, using a life cycle approach.

Green Roof Sound Behavior in Dry and Humid Conditions
Ede Coromoto Martínez de Adrianza, Universidad del Zulia, Venezuela — Dr. Lesvia Pérez Laurens, Universidad del Zulia, Venezuela — Dr. Celso E. Llimpe Quintanilla, Pontificia Universidad Católica del Perú, Peru — Dr. Manuel Recuero López, Universidad Politécnica de Madrid, Spain

Green roof sound insulation made with local materials such as coconut fiber substrate in dry and humid conditions.

Critical Sustainability: (Dis)continuities between Society, Culture, Nature, and Technology in Contemporary Architecture
Miguel Eufrasía, Departamento de Arquitectura, Universidade de Coimbra, Porto, Portugal

As sustainable architecture becomes an aesthetic ideal, the "new standard," it is urgent to trace a path which re-centres the debate on the intersection between architecture and democracy.
14:20-16:00 (Friday, Cont'd)

**URBAN SPACES AND DYNAMICS 2**

Room 04

**Adapting the Anchor: Reassigning the Role of Deal Malls and Vacant Big Box Stores**

Amy Selvaggio, Rhode Island School of Design, United States

*The paper proposes an approach to stopping suburban sprawl by using Adaptive Reuse as a method for reinventing the current vacant “centers” of suburbia.*

**From NECCO to Novartis: The Primacy of Historical Agency in the Groundwork for and Planning of the Industrial Base of Cambridge, Massachusetts**

Dr. Michael H. Turk, Fitchburg State University, United States

*The transformation of Cambridge’s industrial base, symbolized by the conversion of the NECCO candy factory into Novartis’ research headquarters, can best be understood as the product of historical agency.*

**Internal Compression: The De-materialization of Architecture and the Effect of the Micro-scale**

Prof. Gregory Marinic, University of Houston, United States — Ziad Qureshi, Iowa State University, United States

*In the globalized present, technology is transforming the spatial expectations of our major cities. Fundamental changes in consumptive and productive patterns have de-prioritized the quantity of the physical, including architecture.*

**Quality Social Spaces in Casual Urban Style: Traces and Interstices and Their Ability to Integrate Peripheral Areas**

Dr. Juan Luis Rivas Navarro, University of Granada, Spain — Prof. Belén Bravo Rodríguez, University of Granada, Spain

*The periphery generated by the addition of individual projects, can be structured by certain lines, getting a complex mesh of successful spaces in the metropolitan scale.*

16:00-17:00

**WELCOME RECEPTION**

Join us to converse and celebrate with new colleagues over drinks and refreshments!
Saturday
08:45-09:15

CONFERENCE REGISTRATION DESK OPEN

09:15-09:30

HOST OPENING REMARKS

09:30-10:05

PLENARY SESSION
Mark Harris – "Building at the Foot of Mr. Vesuvius"
Principal and Founder, markharris Architects, Inc., USA

10:05-10:45

GARDEN SESSION AND COFFEE BREAK – Featuring Mark Harris

10:35-12:15

VALUES AND PRACTICES OF ARCHITECTURE AND DESIGN
Room 01

Architectural Exhibitions: Curatorial Development of the Display of Architecture
Elizabeth Edge, Liverpool John Moores University, United Kingdom

Curating contemporary architecture exhibitions has become its own form of architectural practice. This paper intends to uncover how the architecture curator can be informed by past curatorial endeavors.

Architectural Observations as a Vehicle for Inquiry and Creativity
Dr. Dan Wollmering, Monash University, Australia

The artist-in-residence in Hijjas Kasturi architectural firm shares his awareness and observation of Malay Islamic architectural culture as a stimulus for creating a new body of sculptural work.

Art Promoted Spaces Reshaping Social Life Patterns in Urban Japan: A Case Study in Konohana Ward, Osaka
Ms. Maria Cláudia Candeia de Souza, The University of Tokyo, Japan

The study investigates the role of art promoted spaces in reshaping public life in an established community, evaluating the spatial and social factors that encourage social interaction.
10:35-12:15 (Saturday - Cont'd)

Perceptions of Out-of-scale Architecture: A Comparison between Japan and the West
Federico Scaroni, Cod09 Architectural Office, Italy

Does out of scale have the same value for all fields and observers, once given the point of reference as the key? How much a different culture influences proportions perception?

DESIGN AND PLANNING PROCESSES 2
Room 02

A Choreography of Shadows: Shade as a Possible Design Tool
Cristina Hurtado Campaña, Free-lance Researcher, Spain — Federico Scaroni, Cod09 Architectural Office, Italy

Analysis of shade movement can be a metaphor for the cultural differences between Japan and the Mediterranean areas. Is it possible to use this movement as a design instrument?

Framing Digital Tools and Techniques in Built Heritage 3D Modelling: The Problem of Level of Detail in a Simplified Environment
Moulay Larbi Chalal, The University of Salford Manchester, United Kingdom — Dr. Riccardo Balbo, Politecnico di Torino, Italy

This research aims to examine the potential of low-cost digital acquisition technologies and modelling techniques to create multi-resolution 3D models of the built heritage in a simplified environment.

A Penetrable Bubble: Sustainable Metropolitan Park “La Carlota”
Laura Isabel Rodríguez, Faculty of Architecture and Design, Universidad del Zulia, Venezuela — Dr. Lourdes Peñaranda, Zulia University, Venezuela — Yuri Faneite, Faculty of Architecture and Design, Universidad del Zulia, Venezuela

“La Carlota” is located east of the city of Caracas, Venezuela. This paper describes the proposal to turn this area into a sustainable metropolitan park.

The Story of Designing a Mosque in Istanbul: An Architect’s Battle with Traditional, Modern, Neo-ottoman, or Neo-seljuk?
Mehmet Emre Arslan, Istanbul Kultur University, Turkey

An architect’s dilemma in re-examining the traditional and modern approaches to contemporary religious architecture in Turkey.
10:35-11:25 (Saturday, Cont’d)

BUILDING AND CONSTRUCTION REGULATION
Room 03

Existing Buildings and Evolving Policy: A Case Study of Life Safety Regulation of Existing Buildings in North America
Francisco Gomes, The University of Texas at Austin, United States

Regulations controlling the renovation and adaptive reuse of existing buildings in North America are rapidly evolving policy choices with significant implications for the economic viability of existing American urban fabric.

Regulating High Density Environment in the Colonial Context: A Hong Kong Review
Dr. Wah Sang Wong, University of Hong Kong, Hong Kong Special Administrative Region of China

This paper gives a historical account of how the forms of buildings are controlled through the building code when Hong Kong was a colony of Great Britain.

11:30-12:15

WORKSHOP
Room 03

Layers: Places in Peril: Creatively Warning about our Hazardous, Constructed Environment
Prof. Judith Waller, University of Wisconsin Colleges-Fox Valley, United States — Dr. James A. Brey, American Meteorological Society, United States

Layers: Places in Peril, an exhibition of paintings and scientific text. Workshop includes virtual tour of Layers, conversation regarding human settlements despite looming natural hazards, and urban memory studio activity.

12:20-13:15

LUNCH, TALKING CIRCLES & CONFERENCE CLOSING

Jeffrey Poss, University of Illinois at Urbana-Champaign and Kathryn Weisbaum, Common Ground Publishing, USA
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<tr>
<th>Name</th>
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<td>Justina A. Adavbiele</td>
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A Digital Learning Platform

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