ACSA 101

NEW CONSTELLATIONS
NEW ECOLOGIES

PROGRAM BOOK
Sponsors

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and for the support and assistance of the following:

Autodesk

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General Information

Continuing Education
Selected CES sessions will be available. CES forms are located at the registration desk. CES forms must be signed and turned in at the registration desk before leaving the conference.

Badges
You must wear your badge throughout the conference to be admitted into sessions.

Online Evaluation Form
You will be sent a link to complete an online evaluation survey after the conference. Your opinions and program suggestions will help us plan for future conferences. Please take a few minutes to complete the survey. We greatly appreciate your feedback.

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ACS101 Mobile Site
ACSA-CONFERENCES.ORG/101

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NEW CONSTELLATIONS, NEW ECOLOGIES

Architecture’s educational structures and professional regulatory frameworks are changing more slowly than the world around us. In 2010, approximately 27,000 species became extinct, 11.2 billion tons of waste were produced, the population increased by 134 million people (half as net growth), and 200,000 inventions were patented—all in less time than it takes an architecture school to revise its curriculum. The global rate, scale, and scope of environmental, cultural, technological, and demographic change and its impact on the built and natural world seemingly far exceed our current capacity for adaptation and retooling. If academic institutions are to be at the forefront of generating architectural knowledge and developing methods for its integration and application, we need to become far more dynamic, adaptable, responsive, and engaged to ensure that we are not facilitating our own irrelevance or extinction. Design has never been more pervasive and powerful, and yet so vulnerable to the global forces influencing its potential and capacity.

With the 101st Annual Meeting, ACSA wants to reset the agenda for architectural education. As a counterpoint to the 100th anniversary meeting hosted by MIT, the first American school of architecture, ACSA 101 will move to the San Francisco Bay area and be hosted by CCA, one of the younger architecture schools. The intention of this shift is to resituate the issues facing architecture within the Bay area’s complex context: a global urban mega-region known for its technological innovation, ecological attitude, and social diversity, with cultural and economic influences coming from its position at the edge of the continent and its strong ties to the Pacific Rim.

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ACSA MISSION STATEMENT
To advance architectural education through support of member schools, their faculty, and students. This support involves:

- Serving by encouraging dialogue among the diverse areas of discipline;
- Facilitating teaching, research, scholarly and creative works, through intra/interdisciplinary activity;
- Articulating the critical issues forming the context of architectural education;
- Fostering public awareness of architectural education and issues of importance.

This advancement shall be implemented through five primary means: advocacy, annual program activities, liaison with collateral organizations, dissemination of information and response to the needs of member schools in order to enhance the quality of life in a global society.
NEW CONSTELLATIONS, NEW ECOLOGIES

101_1 Waste(lands) + Material Economies
Matter: Excess vs. Optimization
Jason Payne, University of California, Los Angeles

Practicing Industry
Hugh Hynes, California College of the Arts

Less is More: Creativity Through Scarcity
Elizabeth Golden & Gundula Proksch, University of Washington

Burn It Bury It, Or Send it on a Caribbean Cruise
El Hadi Jazairy & Rania Ghosn, University of Michigan

Drosscape
Alan Berger, Massachusetts Institute of Technology

101_2 Energy Circuits + Artificial Ecologies
Energy Circuits
Sean Lally, University of Illinois at Chicago

Synthetic Ecologies
Marcelyn Gow, Southern California Institute of Architecture

Architecture's Next Companion Species
Mason White, University of Toronto

Ecological Infrastructures: From Bubbles to Territories
Lola Sheppard, University of Waterloo

Eco-logics
Helene Furjan, University of Pennsylvania

101_3 Genetic Systems + Non-standard Modes of (Re)Production
Figuring Differentiation
Chris Hight, Rice University

Digital Craft: Material, Technology and Performance
Heather Roberge, University of California, Los Angeles

Mass Customization + Non-Standard Modes of (Re)production
Branko Kolarevic, University of Calgary

101_4 Exchange Terminals + Interactive Technologies
Sensing the City
Jason Johnson, California College of the Arts

Living Bits + Bricks
Carlo Ratti & Nashid Nabian, Massachusetts Institute of Technology

Negotiated Territory
John McMorrough, University of Michigan

101_5 Enclaves / Territories + Expanding Megalopolises
Securing the Perimeter
Elijah Huge, Wesleyan University

Rapid Cities: Prototyping Urban Growth
Mona El Khafif, California College of the Arts

Strategies Beyond the Compact City
Felipe Correa, Harvard University

Infrastructural and Ecological Urbanisms
Julia Czerniak, Syracuse University

101_6 Populations / Networks / Datascapes: From Cloud Culture to Informal Communities
Guerilla Ecologies
Ulrike Heine, Dan Harding & Aaron Bowman Clemson University

Bernhard Sill, Hochschule Trier, University of Applied Sciences

Discursive Networks
Ana Miljaki, Massachusetts Institute of Technology

Amanda Reeser Lawrence, Northeastern University

Urban Geographies of Multiculturalism
Armando Montilla, Clemson University

Urban Code
Laura Kurgan, Columbia University

Nicholas de Monchaux, University of California, Berkeley
François Roche is the principal of New-Territories (R&Sie(n) / elfb^t/c). He is based mainly in BKK, elfb^t/c, sometimes in Paris, R&Sie(n), and at fall time in NY, GSAPP. Through these different structures, his architectural works and protocols seek to articulate the real and/or fictional, the geographic situations and narrative structures that can transform them.

François Roche architectural designs and processes have been shown at, among other places, Columbia University, UCLA, ICA, Mori Art Museum, Centre Pompidou, MAM / Musée d’Art Moderne, the Tate Modern, and Orléans/ArchLab. Work by R&Sie(n), New-Territories were selected for exhibition at the French pavilion at the Venice Architecture Biennales. Among the teaching positions held by François Roche over the last decade is guest professor at the Bartlett School in London in 2000, the Vienna TU in 2001, the Barcelona ESARQ in 2003-04, the Paris ESA in 2005, the University of Pennsylvania in Philadelphia in 2006, the Angewandte in Vienna in 2008, the USC-Los Angeles in 2009-10-11 and currently Columbia, GSAPP every fall time since 2006.

+ website: www.new-territories.com

Gregg Pasquarelli is an American architect and a founding partner of SHoP Architects of New York. This design think tank has pushed the architect’s realm past form making and into software design, real estate development, emergent construction research, and the co-development of new sustainable technologies. SHoP’s recent work includes the Barclays Center at Atlantic Yards in Brooklyn; a two-mile esplanade and park along the East River Waterfront; the Innovation Hub government complex in Botswana, Africa; the South Street Seaport redevelopment; a new Major League Soccer stadium in New York; and projects for Google in Mountain View, CA. Pasquarelli received his architecture degree from Columbia University and has taught at Yale, Columbia, the University of Virginia, and the University of Florida. He has lectured globally and his work has been reviewed and published in periodicals such as Architect, Architectural Record, The New Yorker, Wallpaper, Metropolis, Wired, FastCompany, Surface, Dwell, A+U, and The New York Times, among others. SHoP’s work is in the permanent collection of The Museum of Modern Art. As both a practitioner and educator, Pasquarelli’s commitment to challenging the entire process of building has made a convincing argument to a generation of architects that beauty and technological proficiency are not mutually exclusive.

+ website: www.shoparc.com
NEW CONSTELLATIONS, NEW ECOLOGIES

TOURS

THURSDAY, MARCH 21, 2013, 9AM-12PM
CONTEMPORARY URBAN HOUSING $30
Tour of a range of contemporary urban housing projects.
• Yerba Buena Lofts (Stanley Saitowitz/Natoma Architects, 2003)
  (with building tour)

FRIDAY, MARCH 22, 2013, 8:30AM-11:30AM
GOLDEN GATE PARK $45
En route to the Park, short stops:
• St. Mary’s Cathedral (Pietro Belluschi, Pier Luigi Nervi, 1971)
• Congregation Beth Sholom Synagogue (Stanley Saitowitz/Natoma Architects, 2008)
• de Young Museum (Herzog & de Meuron, 2005) (with building tour)
• California Academy of Sciences (Renzo Piano Workshop, 2008)

FRIDAY, MARCH 22, 2013, 12:00PM-3:00PM
CIVIC CENTER / FEDERAL BUILDING $45
• San Francisco Federal Building (Morphosis, 2007)
  (with building tour)
• Civic Center buildings: Asian Art Museum (Gae Aulenti, 2001) (Visit)
• SF Public Library, Main Branch (Pei Cobb Freed & Partners, 1996)
• Phillip Burton Federal Building Plaza (Della Valle Bernheimer, 2000)
• SFJazz Center (Mark Cavagnero, 2013)

SATURDAY, MARCH 23, 2013, 3:30PM-5:30PM
CULTURAL TOUR / MUSEUM EXHIBIT TOUR - SFMOMA JEWISH MUSEUM / YERBA BUENA CENTER $45
• Tour: SFMOMA (Mario Botta, 1995; tour
  of Lebbeus Woods Architect exhibition with exhibition tour)
• Contemporary Jewish Museum
  (Daniel Libeskind, 2006)
• Yerba Buena Center for the Arts,
  (Fumihiko Maki, 1994)
• Yerba Buena Center for the Arts, Novellus Theater
  (Polshck and Partners, 1994, ODC Dance Downtown)

Bus directly to CCA for evening events.

SUNDAY, MARCH 24, 2013, 8:30AM-1:30PM
NAPA VALLEY EXCURSION / WINERY TOUR $75
• Dominus Estates (Herzog & de Meuron, 1998)
• Clos Pegase Winery (Michael Graves, 1985)
• Opus One Winery (Johnson, Fain @ Pereira, 1991)
  (with wine tasting/tour)
• Cakebread Cellars (William Turnbull Associates, 1980)
• Lunch Stop (cost not included)
**WEDNESDAY**

7:30  Registration  \hspace{0.7cm} CONFERENCE FLOOR

8:00  Workshop: Study Abroad  \hspace{0.7cm} CONFERENCE THEATER

12:30 Workshop: Integrating Technology into Studio  \hspace{0.7cm} AUTODESK OFFICES

5:00  Case Studies of Design Innovation + Reception  \hspace{0.7cm} AUTODESK OFFICES

**THURSDAY**

8:30 Registration  \hspace{0.7cm} BALLROOM FOYER

9:00 Workshop: Integrating Technology into Studio  \hspace{0.7cm} CONFERENCE THEATER

12:00 PS | 101_1 Less is More: Creativity Through Scarcity (1)  \hspace{0.7cm} WARFIELD

PS | 101_4 Negotiated Territory  \hspace{0.7cm} FILLMORE B

SFS | 101_2 Reciprocal Systems: Code vs Environment  \hspace{0.7cm} FILLMORE A

1:30 Coffee  \hspace{0.7cm} BALLROOM FOYER

2:00 Exhibit Hall  \hspace{0.7cm} CYPRUS + SEQUOIA

PS | 101_1 Less is More: Creativity Through Scarcity (2)  \hspace{0.7cm} WARFIELD

PS | 101_2 Synthetic Ecologies  \hspace{0.7cm} FILLMORE A

PS | 101_4 Sensing the City  \hspace{0.7cm} FILLMORE B

PS | 101_6 Urban Code  \hspace{0.7cm} ORPHEUM

SFS | Design Build  \hspace{0.7cm} CURRAN

3:30 Coffee  \hspace{0.7cm} BALLROOM FOYER

4:00 PS | 101_1 Drosscape  \hspace{0.7cm} WARFIELD

PS | 101_2 Architecture's Next Companion Species  \hspace{0.7cm} FILLMORE A

PS | 101_4 Living Bits + Bricks  \hspace{0.7cm} FILLMORE B

PS | 101_5 Rapid Cities: Prototyping Urban Growth  \hspace{0.7cm} ORPHEUM

SFS | K-12 Design Education  \hspace{0.7cm} CURRAN

6:00 Opening Keynote | François Roche  \hspace{0.7cm} GRAND BALLROOM EAST

7:30 Reception  \hspace{0.7cm} 36TH FLOOR

**FRIDAY**

7:30 Registration  \hspace{0.7cm} BALLROOM FOYER

8:00 Regional Caucuses and Breakfast

9:30 ACSA Business Meeting  \hspace{0.7cm} GRAND BALLROOM EAST

11:00 PS | 101_1 Matter: Excess vs. Optimization  \hspace{0.7cm} WARFIELD

PS | 101_2 Eco-logics  \hspace{0.7cm} FILLMORE A

PS | 101_3 Mass Customization + Non-Standard Modes  \hspace{0.7cm} FILLMORE B

PS | 101_5 Securing the Perimeter  \hspace{0.7cm} ORPHEUM

PS | 101_6 Guerilla Ecologies  \hspace{0.7cm} FILLMORE C

Exhibit Hall  \hspace{0.7cm} CYPRUS + SEQUOIA

SFS | Housing Design Education + Research  \hspace{0.7cm} REDWOOD

12:30 Awards Ceremony Lunch  \hspace{0.7cm} GRAND BALLROOM

2:00 PS | 101_1 Practicing Industry  \hspace{0.7cm} WARFIELD

PS | 101_2 Ecological Infrastructures: From Bubbles to Territories  \hspace{0.7cm} FILLMORE A

PS | 101_3 Figuring Differentiation  \hspace{0.7cm} FILLMORE R

PS | 101_5 Infrastructural and Ecological Urbanisms  \hspace{0.7cm} ORPHEUM
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<td>SFS I NCBDS</td>
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<td>3:30</td>
<td>Coffee</td>
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<td>4:00</td>
<td>PS I 101_1 Burn it. Bury it. Or send it on a Caribbean Cruise</td>
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<td>PS I 101_2 Energy Circuits</td>
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<td>PS I 101_3 Digital Craft: Material, Technology &amp; Performance</td>
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<td>PS I 101_5 Strategies Beyond the Compact City</td>
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<td>DPACSA Meeting</td>
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<td>SFS I Curriculum Innovation</td>
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<td>NAAB Training Sessions: Writing the Architecture Primer</td>
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**SATURDAY**

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<th>Time</th>
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<tr>
<td>7:30</td>
<td>Registration</td>
<td>BALLROOM FOYER</td>
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<tr>
<td>7:45</td>
<td>Tau Sigma Delta Honor Society Members' Breakfast and Annual Meeting (Invitation Only)</td>
<td>GRAND BALLROOM EAST</td>
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<tr>
<td>9:00</td>
<td>Super Session I 101_1 Waste (lands) + Material Economies</td>
<td>GRAND BALLROOM WEST</td>
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<td>Super Session I 101_2 Energy Circuits + Artificial Ecologies</td>
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<td>NAAB: Highlights from the Accreditation Report</td>
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<td>10:30</td>
<td>Coffee</td>
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<td>11:00</td>
<td>Super Session I 101_3 Genetic Systems + Non-standard Modes of (Re)Production</td>
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<td>Super Session I 101_4 Exchange Terminals + Interactive Technologies</td>
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<td>NAAB Information Session: Ask the NAAB</td>
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<td>SFS I NCARB</td>
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<td>12:30</td>
<td>Aspirations of Leadership + Lunch</td>
<td>GRAND BALLROOM EAST</td>
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<td>Exhibit Hall Lunch</td>
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<td>2:00</td>
<td>Super Session I 101_5 Enclaves / Territories + Expanding Megalopolises</td>
<td>GRAND BALLROOM WEST</td>
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<td>Super Session I 101_6 Populations / Networks / Datascapes: From Cloud Culture to Informal Communities</td>
<td>REDWOOD</td>
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<td>SFS I DPACSA: Practicing Teachers I Teaching Practice</td>
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<td>Evening events at California College of the Arts (CCA)</td>
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<td>5:30</td>
<td>Research + Design Project Exhibition I Session</td>
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<td>6:30</td>
<td>Closing Keynote I Greg Pasquarelli</td>
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<td>8:00</td>
<td>Reception</td>
<td>CCA</td>
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Since its roots with the Grand Tour and the Paris Prize, architectural education has valued study abroad. With the profession becoming increasingly multinational and the world becoming “hot, flat and crowded,” it is worth critically considering the presumptions and practices of global educational experiences that prepare students for the 21st century. This one-day workshop is designed to facilitate active engagement by participants to develop innovative proposals for their home institutions. Presenters will include: Jeff Risom (Gehl & Associates), Clark Llewellyn (Dean, Hawaii), Peter Laurence (Clemson) and Guillermo Vasquez De Velasco (Dean, Ball State). We suggest programs consider sending teams of two to collaborate in this process. A requirement is to develop a poster prior to the workshop that describes their initial thoughts on this issue (greater instructions will be provided after registration for the session). Earn CES credits and share the value of global educational experiences.

Phil Bernstein and Glenn Katz will make a presentation on Case Studies of Design Innovation at 5:00PM, followed by a reception. All Annual Meeting participants are welcome to attend.

This workshop will serve as idea generator for curriculum change and hands-on project development. Interactive sessions will focus on three themes: Collaboration & Performance, Design Innovation, and Materials & Building Practices. Experience how design processes accelerate and discuss how to make them happen in your studio. On Wednesday evening Autodesk will host the Design Innovation session with a panel of case studies and open discussion, followed by a reception. Earn CES credits and share what you’re doing in studio.
NEW CONSTELLATIONS, NEW ECOLOGIES

101_1 WASTE(LANDS)+MATERIAL ECONOMIES/LESS IS MORE: CREATIVITY THROUGH SCARCITY (GROUP 1)
Gundula Proksch, University of Washington
Elizabeth Golden, University of Washington

When innovation is driven by necessity, design can move building technology beyond conventional resource and economic patterns. Working with less – resources, space, and time – will continue to inform much of the built environment in the future, although the parameters and mechanisms of scarcity’s influence on the design process have yet to be fully explored. The relationships between scarcity, creativity, and design, as presented in this session, reveal new modes of working that elevate (resource) constraints from limitations to design opportunities.

Scarcity and Standardization: Architects’ Data and the Exigencies of Total War
Nader Vossoughian, New York Institute of Technology

The Fallacy of Efficiency and Scarcity
Kiel Moe, Harvard University

The Scarcity Aesthetic: Art, Design, and Population When Systems Fail
Charissa N. Terranova, University of Texas at Dallas

Scarcity: Reality and Ideology
Jon Goodburn, University of Westminster

101_4 EXCHANGE TERMINALS+INTERACTIVE TECHNOLOGIES / NEGOTIATED TERRITORY
John Doyle McMorrough, University of Michigan

Every instance of design entails negotiation. Design must accommodate material, economic, and cultural forces. Rather than understanding such negotiations as the source of half measures and mediated expressions that only partially reflect the absolutes of negotiation’s component elements, this panel will explore the idea that design itself only exists in a state of mediation and transference; design exists as a negotiated territory. There is no origin of design, nor a definitive conclusion, it is not a place or a thing, but only a cascade of relations. What is reality if not the ultimate negotiated territory?

Re-Cultivating the Forest City
Christopher Marcinkoski, University of Pennsylvania
Andrew Moddrell, University of Illinois at Chicago

The High Frontier, the Megastructure, and The Big Dumb Object
Fred Scharmen, Morgan State University

The Demilitarized Zone: Redrawing the 151-mile Border Between North and South Korea
Dongsei Kim, Columbia University

Cosmopolitan Beasts: Pee-Wee’s Applied Pedagogy
Julia Sedlock, Cosmo Design Factory
The introduction of programmatic code into architecture has radically transformed design processes enabling us to imagine architecture to emerge as a genetically-driven organism, where novel spatial typologies are produced that simulate generative patterns of form growth and development in nature. This session topic will focus on the relationship between architecture, computation and material systems—the ways in which digital technology is being used to visualize and model different types of datasets extracted from a range of material systems, and the specific methods being used within generative architectural design practices to transcode these datasets through geometry and new material organizations. How may architects learn from this reciprocity and further, how might the relationship between code and environment, matter and behavior, influence the development of future strategies for design and fabrication?

**Coffee Break**

**2:00PM-3:30PM**

**Warfield**

**Paper Session**

**101-2 ENERGY CIRCUITS + ARTIFICIAL ECOSYSTEMS / RECIPROCAL SYSTEMS: CODE VS ENVIRONMENT**

Marcelyn G. Gow, Southern California Institute of Architecture

This session explores the complex and sometimes radical performances of synthetic ecologies within architecture, considering how the relationship between abiotic and biotic materials and systems may perform on a variety of scales. A focus is placed...
on architecture’s capacity for bio-technological integration while also questioning the potentials of an entropic architecture. This new strain of synthetic ecologies disrupts the discrete identities of natural and artificial, while exceeding the geometric precision and material stability through which architecture has traditionally been defined.

Synthetic Ecological Frameworks
Bradley Cantrell, Louisiana State University
Frank Melendez, Louisiana State University

Noise Control: Designing with Entropic Processes
Daniel Norell, KTH Royal Institute of Technology

The Thin Green Line
Dora Epstein Jones, Southern California Institute of Architecture

Tomorrow’s Ecologies | A Synthetic Approach
Nicolle Koltick, Drexel University

2:00PM-3:30PM
FILLMORE B
PAPER SESSION

101_4 EXCHANGE TERMINALS+INTERACTIVE TECHNOLOGIES / SENSING THE CITY
Jason Kelly Johnson, California College of the Arts

This session investigates the extended, amplified and enhanced nervous systems, responsive skins, and exchange terminals situated at the intersection of architecture, technology, public space, robotics, and digital fabrication at the immediate architectural scale. The panel asks: how can invisible urban flows and processes become meaningful and tangible? How can a sensible material component or assembly weave into the infrastructure of buildings, streets or cities? When a building or environment evolves based on feedback, what are the implications, potential or risks for architecture? What are the social, cultural, political, or ecological implications of these new soft, wild and responsive technologies?

Expanding Scenarios forResponsive Architecture
AnnaLisa Meyboom, University of British Columbia
Jerzy Wojtowicz, University of British Columbia

Reconsidering Physicality
Paola Zellner-Bassett, Virginia Tech

2:00PM-3:30PM
GRYPHEUM
PAPER SESSION

101_6 POPULATIONS/NETWORKS/DATASCAPES:
FROM CLOUD CULTURE TO INFORMAL COMMUNITIES / URBAN CODE
Laura Kurgan, Columbia University
Nicholas de Monchaux, U of California, Berkeley

Fueled by the collision of military-industrial methods of enumerating and coordinating actions in space, and the expansion of internet-born standards of surveillance and enumeration into our physical lives, our built environment is defined, as never before, by data. The goal of the panel will be to highlight and examine the best encounters of architectural research with this strange new material; not matter or territory, but data about it. Against the background of today's spatial disciplines, in which mapping and measuring techniques are being remixed and turned to—apparently—new purpose, we seek in particular to understand how the 21st century city is being created, already, through code as much as form.

#Map
Brett L Snyder, University of California, Davis
Jonathan Massey, Syracuse University

Radical Railbanking
McLain Clutter, University of Michigan
The breadth and quality of both course design and project outcomes in the submissions to this inaugural year of the ACSA Design Build Awards was outstanding. While this session will feature an overview of the four projects selected for recognition, the focus of the session will be a facilitated discussion with representatives from the four teams exploring key issues and questions they had to navigate to realize the outcomes presented in their submissions. Planned discussion topics will include strategies for integrating DB projects in program curricula, selecting projects, designing student roles in project design and execution, assembling expertise needed to complete the work, managing risk, and measuring outcomes.

“Drosscape” describes the full body of residues from economic production leftover in urban areas. Worldwide millions of vacant, abandoned and contaminated former industrial sites exist within the cores of urban territories. Papers submitted to this subgroup will consider the following issues: How can urban areas, regions, landscapes, infrastructures, be designed to simultaneously use Drosscape as it accumulates? What are innovative approaches to landscape growth and feedback systems in urban evolution? How can cities be explored as active areas marked by continuous energy flows and transformations of which landscapes and physical buildings and other parts are not permanent but transitional structures? What are Drosscape reprogramming and remediation/containment/cleansing opportunities that include creative planning and design?

This session seeks new thinking on architecture’s engagement with the environment. The questions are no longer what it does or even how it does it, but perhaps more importantly, for whom, and with what agency? If architecture spent the 20th century trying to move, it is possible that architecture will spend the 21st century trying to be alive. This is not necessarily a move towards robotics, nor biomimet- ics, but rather, a recognition that our environments are, on the one hand, increasingly merging artificial efficiency and natural logic to produce environments that are monitored and controlled, ecologies that are
amplified or manufactured and interior landscapes that are conditioned. On the other hand, the recogni-
tion that architecture might engage other species—
whether plant or animal—urges it to expand its
performance, be programmatically and temporally
adaptable and able to negotiate contingencies.

Animal Interfaces for a Posthuman Territory
Ariane Lourie Harrison, Yale University

Land Management Tribes: A New Species
of Symbiotic Architectures for The Great Plains
Matthew Spremulli, University of Toronto
Fei-Ling Tseng, University of Toronto

Mess-Mate Codesigners
Edward Dodington, Animal Architecture

Constructing Wilderness
Joyce Hwang, University at Buffalo, SUNY

In the 90s, many scholars speculated about the
ongoing digital revolution’s impact on the built
environment, and the possibility of replacing physical
space with virtual space, or atoms with bits. Contrary
to this atoms are becoming augmented by bits of
information. As many technologies are becoming
mainstream and omnipresent, the boundaries of
architecture are being redefined to include what
we here characterize as Living Architectures. This
session aims to provide a historical overview and
a conceptual framework for envisioning digital and
physical interactions at the scale of the city and or
the interaction of multiple bodies and collectives as
agents within a technologically enhanced sentient,
responsive, and intelligent Living Architecture.

Manual of Networked Possibilities: Forward
Thinking Interventions for Intelligent Cities
Therese Tierney, University of Illinois,
Urbana-Champaign

Mediated and Situated Landscapes
Andrzej Zarzycki, New Jersey Institute of Technology

Urban Performance and Living Networks
Ariane Lourie Harrison, Yale University

In the next 40 years the US population alone will
grow by an additional 130 million Americans. This
urban growth will face increasing challenges due to
global climate change, water shortage, economic
and social instability as well as aging infrastructural
systems. 90% of the current urbanization processes
- as recently stated by the UN - is occurring in form
of informal and “undesigned” settlements. During the
next decades the global design community has the op-
portunity and responsibility to create forward thinking
design strategies that will need to holistically integrate
cultural codes and ecological systems across multiple
scales. This session will radically re-think the making
of cities through parameters and performance rather
than traditional planning strategies.
Global Garden City: Trans-Territorial
Ecologies in Singapore
Kian Goh, Massachusetts Institute of Technology

Structuring Dynamic Growth through Inherited Urban Form: Case Study from Chiang Mai, Thailand
Brian P McGrath, Parsons
Martina Barcelloni-Corte, Parsons
Sompong Sangawongse, Parsons

Adaptable Urban Models in the Age of Climatic Changes: ParametricNOLA
Pasquale de Paola, Louisiana Tech University

The Urban Sphere: Global Strategies
Joyce Hsiang, Yale University
Bimal Mendis, Yale University

4:00PM-5:30PM
CURRAN
SPECIAL FOCUS SESSION

K-12 DESIGN EDUCATION: THE LANGUAGE OF THE 21ST CENTURY
Melissa Schulteis, AIAS, U of Wisconsin-Milwaukee
Will Fowler, San Francisco Build
Kadi Franson, KIDMob
Lisa Keane, School of the Art Institute of Chicago
John Comazzi, University of Minneapolis
Andrew Frankel, ACE MENTOR
Kelly Lyons, Carnegie Mellon University
Eugene Kupper, Vitruvius Program

This panel discussion will discuss seven national K-12 architectural design programs, connecting DESIGN THINKING across grade levels. We will look at ACSA roles, of awareness, understanding and applications, having the potential of shifting from “STEM” to “STEAM” (Science, Technology, Engineering, Art & Architecture, Mathematics) teaching. This session will demonstrate that place-based project learning delivers: personal knowledge and experience to find design solutions to everyday problems; collaborative problem-solving and critical thinking; visualizing prototypical solutions in design, and connect future generations of architecture students to K-12 classrooms and concepts through architecture and design education.

6:00PM-7:30PM
GRAND BALLROOM EAST

OPENING KEYNOTE
François Roche is the principal of New-Territories (R&Sie(n) / [elf/b^t/c]). He is based mainly in BKK, [elf/b^t/c], sometimes in Paris, R&Sie(n), and at fall time in NY, Gsapp. Through these different structures, his architectural works and protocols seek to articulate the real and/or fictional, the geographic situations and narrative structures that can transform them.

7:30PM-8:30PM
36TH FLOOR

RECEPTION
Matter, as a foundational subject, is a relatively recent addition to architectural curricula. Typically, matter has either been a subject of practice-oriented courses on material science and construction, or as the province of philosophers and scientists. Matter increasingly stands as a subject itself. There appears to be a recurring tendency toward optimization in all aspects of architectural production, from parametricism to sustainability. How might the architectural academy properly incorporate previous scholarship and contemporary speculation on matter into its own pedagogy?

Six Facets of Matter: Material Futures for the Architectural Object
Rhett Russo, New Jersey Institute of Technology

Mixing Urban Cocktails
Ferda Kolatan, University of Pennsylvania

The Garden in the Machine
David Ruy, Pratt Institute

Toward an Architectural Theory of Negative Matter
Michael Osman, University of California, Los Angeles
One could argue that much of architecture's disciplinary activities today are concerned with the term “ecology,” in all of its wide-ranging definitions. Yet the question we might ask is not only how architecture is directly engaging ecological issues at multiple scales, from environmentally responsive building skins to eco-cities, but also how the concept of “ecology” itself is redefining the ways in which we think about architecture. If the concept of architecture-as-object is displaced by architecture-as-environment, what might the different valences of environmental performance be within architecture, and how might they work together to create an “ecologics”—a responsive, evolving, and resilient field of environmental, aesthetic and atmospheric effects?

A Field Guide to Generating Architectural Species
Nicole Koltick, Drexel University
Matthew Lutz, Princeton University

Niche-Tactics: The Giraffe Model
Caroline O'Donnell, Cornell University

Tropical Ecologies: Biomimicry as a Generator for Climate Responsive Architectural Design
Tobias Holler, New York Institute of Technology

Urban Filtration | Architecture as Watershed
Corey T. Griffin, Portland State University

Thanks to parametric design and digital fabrication it is now possible to mass-produce non-standard, highly differentiated building components. Variety, in other words, no longer compromises the efficiency and economy of production. If homogeneity and repetitive seriality are direct reflections of the industrial mass production, does this new model of mass customization mean that repetition is no longer necessary? What are the theoretical implications and practical opportunities offered to an architecture that can easily integrate uniqueness, iterative complexity, and endless variation?

Beyond Control: Parametrics and Metadesign as a Model for Mass-Customization
Frank Richard Jacobus, University of Arkansas
Marc Anthony Manack

Eclipsis: Historical Precedent - Digital Fabrication
Robert J. Dunay, Virginia Tech
Joseph Wheeler, Virginia Tech
Robert P. Schubert, Virginia Tech
Jonathan Grinham, Studio27

MASS Customization
Danelle Briscoe, University of Texas at Austin
What are the ways in which the built environment responds to environmental, political, economic, or social volatility? Set against the ongoing escalation between expanding urbanism and increased risks for catastrophe, this panel examines both the legacy of architecture’s response to emergency and insecurity and its potential for agency in the uncertain conditions of the global city. Securing the Perimeter offers histories and speculations that explore the evolving entanglements between architecture, urbanism, and security.

Territory Jam: Tehran
Rudabeh Pakravan, U of California, Berkeley

For & Against: Designing for Failure
Julie Larsen, Syracuse University

Proliferating the Perimeter: A Spatial Plan for the Maldives
Joyce Hsiang, Yale University
Bimal Mendis, Yale University

Technological innovation and obsolescence, a population of over 7 billion people, a weakened global economy and political instability have created a culture of semi-permanence. Many architects and designers are proactively collaborating to rapidly reinvent, redefine, and redesign both practice and community. From political propaganda to informal settlements these efforts are producing new proactive and experimental “Guerilla Ecologies” focused on social, economic, and environmental issues. By working “bottom-up” in a collaborative process, architects and designers are leveraging existing assets to serve as catalysts for social change, challenging the notion that design is a luxury for the wealthy. This session will examine the potential of design within the framework of Guerilla Ecology.

What Can We Do Without Action?
Christopher Austin Roach, California College of the Arts

Informal Urbanism: The Slow Evolution of a New Form
Dan Clark, University of Minnesota

Emerging from Dystopia: Latin America’s Latest Lessons
Luis Diego Quiros, University of Maryland

No More Waiting for Superman: Teaching Guerilla Urbanism and Reflexive Practice
José L.S. Gámez, U of North Carolina at Charlotte
Janni Sorensen, U of North Carolina at Charlotte
101st ACSA Annual Meeting

**HOUSING DESIGN EDUCATION AND RESEARCH**

Steve Schreiber, University of Massachusetts, Amherst
Kathy Dorgan, Dorgan Architecture and Planning
Cheryl Morgan, Auburn University
Gregory Luhan, University of Kentucky

This session will explore the ways in which participatory praxis and research should inform architectural practice in the area of housing. The discussion will explore the respective roles of the academy and the profession in supporting initial professional training and life-long learning for architects in participatory evidence-based housing practice. Among the questions to be addressed to participants are: How should housing research be disseminated? What skills do architects require for applying research to practice? What skills do architects need for listening to clients and communities? What should be the roles of ACSA and the AIA in elevating housing practice and research?

Sponsored by AIA Housing Knowledge Community

**AWARDS CEREMONY / LUNCH**

Please join us in celebrating your peers' achievements and distinguished work. Each year the ACSA honors architectural educators for exemplary work in areas such as building design, community collaborations, scholarship, and service. The award-winning professors and projects inspire and challenge students, contribute to the profession's knowledge base, and extend their work beyond the borders of academy into practice and the public sector. This Plenary will include presentations by the Faculty Design and Collaborative Practice Award winners.

**101 _1 Waste(lands)+Material Economies / Practicing Industry**

Hugh Hynes, California College of the Arts

Effectiveness relies on the ability to orchestrate the fluctuating sequence of events that govern organization, control and delivery. But the amplified scale of architectural production precipitates the dilemmas of industry: technical breakdowns, waste byproducts, labor & efficiency, and bloated control protocols. This session invites papers to assess architecture's current industrial status, and to critically evaluate the ability of our practices to perform effectively. What new forms of industry are emerging in practice and what new protocols can support industrial-scaled modes of production?

**Automate Architecture**
Alfredo Andia, Florida International University

**Full Figures: Finding Form in Excess Matter**
Kelly Bair, University of Illinois at Chicago

**New Industrial Design Protocols for Carbon Neutral Buildings**
Thomas Spiegelhalter, Florida International University

**Rapid Types: A Coffee Pod and Alternative Digital Processes**
Kory Bieg, University of Texas at Austin
In the past decade or so, architecture has renewed its fascination with the notion of environment, as a physical, dynamic and an atmospherically tangible space of design. This has been driven by a number of trajectories within architecture. However, architecture can no longer define its parameters and responsiveness at the scale of the bubble, but rather, must operate at the scale of a broader territory, a space expanded and thickened with competing climatic, geological and ecological forces. These new environments will be unpredictable, mutating.

The Envirobubble: Clean Air Pods Redux
Lydia Kallipoliti, The Cooper Union

Infrastructure as Organism
Mitchell Joachim
Melanie Fessel

Frontier Urbanism: Explorations and Propositions in the Expanded Field
Christopher Austin Roach, California College of the Arts

3 Dialectical Ecology: Towards a Critical Metabolic Materialism
Jon Goodbun, University of Westminster

If the part-to-whole relationship within architecture has been governed by references to the anatomical and biological body as a model for order, this session seeks to explore the potentials and limitations of ecology as an alternative model or reference. A key issue in such a proposition is the continuity or disruption of scalar relationships being generated between discrete elements or components within architecture, their assemblage into larger, coherent yet modulated organizations, and the effects that parametric design practices have had on the development of these relationships.

A Bi-directional Thermal Rectifying Facade – For a Hot-arid Climate
Michael Ritzenthaler, University of Arizona

Heterotopic Speciation (Theorizing an alternative Parametric Syntax)
Maximiliano Spina, Woodbury University

Layered Fabrications
Grant Gibson, University of Illinois at Chicago
101 _5 enclaves/territories + expanding megalopolises / infrastructural and ecological urbanisms
Julia Czerniak, Syracuse University

The evolution of American cities is intrinsically linked to the progressive development of infrastructure. The ambitions of modernism could not have taken hold without the enormous investment in engineered public works projects and the belief that the technological restructuring of the city and instrumentalization of the landscape would inevitably lead to the modernization of the metropolis. Within the contemporary context, however, the extreme deterioration of the mechanistic life-support systems, we begin to question the role, scale and design of infrastructure. This session invites design proposals and papers that bring a critical context to these issues and that might re-envision the roles of infrastructure and landscape across scales in the remaking of the contemporary megalopolis.

Remaking Paris as the ‘City of Flows’
Lara Belkind, Columbia University

Roadmap 2050 and the Promised Landscapes of Low-Carbon
Rania Ghosn, University of Michigan

Coeur De Ville: An Urban, Ecological Catalyst
Ursula Emery McClure, Louisiana State University
Michael McClure, University of Louisiana - Lafayette
Bradley Cantrell, Louisiana State University

Water Drives the Motor City
Maria Arquero de Alarcon, University of Michigan
Jen Maigret, University of Michigan

101 _6 populations/networks/datascapes: from cloud culture to informal communities / urban geographies of multiculturalism
Armando Montilla, Clemson University

The Contemporary City is increasingly multicultural. Cities, through migration and mobility, have historically been the primary site of ethnic and spatial harmony or tension. Sociology and Cultural Studies have advocated for the poly-ethnic, multicultural city as a viable and necessary condition, representative of social tolerance and indicative of progress. The papers on this session will attempt acknowledge the reflections of the discipline of architecture and urban theory in parallel to the development of new urban constellations and new urban ecologies.

CompliCity: Transformation of public spaces in the Heart of Sharjah
Samia Rab, American University of Sharjah

Hedonistic Urbanism: The Beirut Post-War Experience
Elizabeth Martin, Southern Polytechnic State University

Mapping the African – American Urban Enclave: The Ghetto in Translation
Scott L. Ruff, Tulane University
2:00pM-3:30pM
NEW CONSTELLATIONS, NEW ECOLOGIES
REDWOOD
SPECIAL FOCUS SESSION
THE BEGINNING: REALIZING THE SUSTAINABLE IMAGINATION
Jodi La Coe, Pennsylvania State University
Jeffrey Balmer, U of North Carolina at Charlotte
Michael Swisher, U of North Carolina at Charlotte
Hans Herrmann, Mississippi State University
Karl Wallick, University of Wisconsin - Milwaukee

If we believe that we constitute a polity of responsible citizens, where sustainability encompasses environmental, cultural, economic and philosophical considerations, then what and how we teach is paramount to the vitality of global well being. Is there a foundation of a sustainable imagination, a balance at work in projects that expose specific issues of design collaboration, integrated design strategies, and sustainable thinking? Papers in this session address innovative pedagogical practices selected from the 28th National Conference on the Beginning Design Student Proceedings.

3:30PM-5:30PM
COFFEE BREAK
BALLROOM FOYER

3:30pM-5:30pM
101_1 WASTE(LANDS)+MATERIAL ECONOMIES/ BURN IT. BURY IT. OR SEND IT ON A CARIBBEAN CRUISE
WARFIELD
PAPER SESSION
Rania Ghosn, University of Michigan
El Hadi Jazairy, University of Michigan

The panel examines waste disposal at a geographic scale. It raises a provocation: if the abstraction of space conceals the political and ecological imperatives of waste, can the geographic as paradigm inscribe trash within design and public concerns? The papers examine the spaces of burial, mass burning, abandonment, and recycling of economic excess. By formalizing and materializing the relations of trash and space, the panel investigates how geographic imaginaries reclaim trash as “matter in place.”

A Geography of Interest: Waste and Public Life
Curt Anderson Gambetta, Woodbury University

Gob Piles and Culm Dumps
Christian Stayner, Stayner Architects

The Reserva Ecologica: Three Streams of Material Excess in Buenos Aires
Erin S. Patalik, Virginia Tech
Brian Davis, Cornell University

Waste, Industry, Ecology: Urban Design Futures for Sauget, IL
Midori Mizuhara, Massachusetts Institute of Technology
Anna Muesig, Massachusetts Institute of Technology
Kristen Zeiber, Massachusetts Institute of Technology

4:00pM-5:30pM
NEW CONSTELLATIONS, NEW ECOLOGIES
Energy has become synonymous with one of two things: either a resource to be conserved through new technological widgets, or as something released into a constructed interior as an approximation of an idealized climate. This session will look at these energies and the environments they move through as an opportunity to create an architecture defined by these materialities; one in which the physical elements available to architects for constructing boundaries, surfaces and spaces include not only concrete, steel and glass but the properties of electromagnetic, chemical, thermal and sound waves that define these energies.

Mountains & Clouds: Landscape, Meteorology and Building Form
Stephen Hugh Roe, Feng Chia University

Natural and Artificial Light as Energy: Experiments in Space
Zenovia Toloudi, Wentworth Institute of Technology

Naturalizing Architecture – Beauty Becoming Beast A Design Study: Condensation House
Skender Luaraasi, Rhode Island School of Design
Carl Solander, Harvard University

Systole and Diastole: Multimedia Environments and Manifold Form
Adam Fure, University of Michigan
Ashley Fure, Harvard University

Digital craft organizes matter, force and geometry through a robust exchange between digital processes and physical material behaviors. Emerging design and manufacturing tools are redirecting the relationship between form, material, technology and performance within architecture by altering design processes. The projects presented on this panel serve as pedagogical models for future explorations of digital craft and demonstrate the relevance of this fertile territory for speculation on organization and assembly at scales ranging from objects to towers.

Art of Workmanship in the Digital Age
Awilda I. Rodriguez, Oklahoma State University

Craft Works: On How to Get Medieval
Ramiro Diaz-Granados, Southern California Institute of Architecture

Formations of Digital Craft Culture
Andrew Kudless, California College of the Arts

Strand Porosities: Mixing Traditional Textile Techniques with Digital Craft
Kenneth Joseph Tracy, Washington U in St. Louis
Christine Yogiaman, Washington U in St. Louis
NEW CONSTELLATIONS, NEW ECOLOGIES

FRIDAY, MARCH 22, 2013 SAN FRANCISCO

4:00PM-5:30PM
OPHELAN PAPER SESSION

101_5 ENCLAVES/TERRITORIES+EXPANDING MEGALOPOLIS / STRATEGIES BEYOND THE COMPACT CITY
Felipe Correa, Harvard University

As emergent models of urban development in the North American urbanized geographies continue to depart from the more time-honored envelope of the traditional compact city, the design toolbox and canvas of action for designers necessarily expands and diversifies. While the “traditional” city at the turn of the 21st century has witnessed a period of reinvention, the vast majority of the urbanized terrain continues to operate under the influence of watered down post-war functionalist schemas. The moment is ripe to redefine the role of the urban project, and this session will speculate upon new organizational strategies that provide alternative formal and experiential identities for urban scenarios.

Free Trade Zone Urbanism
Martin Felsen, Illinois Institute of Technology

Gaining Ground: Structuring Settlement in the Uncertain Economic and Climactic Landscape of the Gulf Coast Mega-Region
Jeff Carney, Louisiana State University

Grand Manner Ala Turca:
Istanbul’s Territorial Appropriations
Erkin Ozay, Harvard University

Suburban Sensibilities
David Salomon, Cornell University

4:00PM-5:30PM
FILLMORE C PAPER SESSION

101_6 POPULATIONS/NETWORKS/DATASCAPES: FROM CLOUD CULTURE TO INFORMAL COMMUNITIES / DISCURSIVE NETWORKS
Ana Miljacki, Massachusetts Institute of Technology Amanda Reesser Lawrence, Northeastern University

Architectural appropriation is so deeply enmeshed with the colloquial definitions of postmodernism that it has become nearly impossible to theorize its disciplinary discursive function without conjuring up images of pastiche, both well and badly executed. And yet, if we look beyond this recent chapter in architectural history an engagement with the past has long been understood as a legitimate and indeed requisite aspect of the creative act at the very core of architecture’s disciplinarity. An architect’s engagement with the past is both a means of legitimating her architectural investigation, and of claiming originality against the codified material of preexisting architectural discourse.

Anonymity and Influence: Corporate Authorship and The Architects Collaborative
Michael Kubo, Massachusetts Institute of Technology

Architectural Appropriations in the Age of Networked Reproduction
William T. Willoughby, Louisiana Tech University Pasquale De Paola, Louisiana Tech University

Edvard Ravnikar’s Liquid Modernism: Architectural Identity in a Network of Shifting References
Vladimir Kulic, Florida Atlantic University

Loos, Law and the Culture of the Copy
Ines Weizman, London Metropolitan University

NEW Constellations, New ECOlogies
Ove N. Arup wrote in 1963 that, “Integration and collaboration have been preached ad nauseam...” This struggle to address technology and synthesize it with architecture remains. How can we find new methods of incorporating technology in architectural education? How do we, as educators, find ways to include technology in meaningful educational experiences? Previous barriers no longer exist for this generation of students. They want learning environments that respond to their perception of the world, and they want learning that is “… increasingly facilitated by exploration, interaction, and problem-solving…” This session asks how we address the challenges of ever expanding technology fields? How do we innovate in the classroom? And how do we measure its success? How do we move beyond barriers that are a hundred years old? How do we teach this new type of student that is desperately seeking engagement?

Michelle Rinehart, ARCC Vice President
Zhongjie Lin, U of North Carolina, Charlotte

This session will focus on the topic of Asia’s emergent cities utilizing the award-winning work of Dr. Lin as a point of focus. Building upon his work on Utopias and the Metabolist Movement, his current research aims to shed a new light on the understanding of China’s emerging urban patterns and planning strategies in the face of unprecedented massive urbanization. Significant audience discussion of emergent trends and future possibilities of inquiry will occur.

Nisha Botchwey, Georgia Institute of Technology
Andrew Dannenberg, University of Washington
Michaele Pride, University of New Mexico

With a growing body of research suggesting links between public health and the quality of the built environment, new dimensions of architectural practice are developing. But how can architecture programs integrate this content into the curriculum? This session is intended as an introduction and open discussion of strategies to train architects to create healthy places. Panelists will discuss their work in urban planning, public health, and architecture, including a program that recently received funding from the AIA’s Decade of Design initiative. Anyone doing work related to public health or with interest in introducing content into courses is encouraged to participate in the discussion.

Andrea S. Rutledge, CAE, NAAB Executive Director
Ted Landsmark, NAAB President
Linda Kiski, AIA, NAAB President-elect

This workshop is for anyone responsible for writing an Architecture Program Report for a 2013 or 2014 NAAB visit. This session will cover the basic outline of the APR, dates and deadlines for submitting it, top tips for writing and formatting the APR, and a review of the NAAB’s new web-based system for managing the submission, review, and transmission of APRs.
NEW CONSTELLATIONS, NEW ECOCOLOGIES

TAU SIGMA DELTA HONOR SOCIETY: MEMBERS’ BREAKFAST (INVITATION ONLY)

Tau Sigma Delta Honor Society 100th Anniversary TSD was organized in 1913 at the University of Michigan at the suggestion and guidance of the faculty in Architecture and Landscape Design who selected the first group of senior honor students to be the founding members. Tau Sigma Delta has developed from a senior honor society in Architecture and Landscape Architecture to become inclusive of both juniors and seniors in Architecture, Architectural Engineering, Architectural Design, Landscape Architecture, Painting, Sculpturing, Planning, Decorative Design, Interior Decoration, and all the arts allied with Architecture.

10:00AM-3:30PM EXHIBIT HALL

SUPER SESSION

101_1 TOPIC: WASTE(LANDS + MATERIAL ECONOMIES

Jason Payne, University of California, Los Angeles
Hugh Hynes, California College of the Arts
Elizabeth Golden, University of Washington
Gundula Proksch, University of Washington
El Hadi Jazairy, University of Michigan
Rania Ghosn, University of Michigan

Waste management and ecological issues have been absorbed into recent architectural pedagogy but are only yet being interrogated for the conceptual demand placed on the discipline. How might one transfer material research beyond the technology sequence? How do we understand waste, excess and progress as a biological and cultural imperative that might need reconsideration and reinvention within the contemporary architectural design paradigm?

SUPER SESSION

101_2 ENERGY CIRCUITS + ARTIFICIAL ECOCOLOGIES

Sean Lally, University of Illinois at Chicago
Marcelyn Gow, Southern California Institute of Architecture
Mason White, University of Toronto
Lola Sheppard, University of Waterloo
Helene Furjan, University of Pennsylvania

The question of ‘environment’ has never been so prevalent within architectural discourse, asking us to interrogate the many assumptions that have governed our approach to energy and ecology within contemporary practice. Energy Circuits focuses, not only on the exchanges and economies of energy, but also on its material flows and atmospheric effects, reconsidered as primary constituents of the built environment; Synthetic Ecologies examines architecture’s direct engagement with the organic, investigating the effects of new architectural bio-technologies and the conceptual, technological and aesthetic issues surrounding the proliferating living landscapes embedded within the surfaces and spaces of our emerging agropolis; Architecture’s Next Companion Species asks us to reconsider a truly post-humanist environment in the service of, or in concert with, species and ecologies other than our own; and Eco-logics reconstitutes architecture as an environment or ecosystem to be created and assessed, not in terms of its objecthood, but rather in relation to the multiple valences of its performance.

9:00AM-10:30AM GRAND BALLROOM WEST

9:00AM-10:30AM GRAND BALLROOM EAST

9:00AM-10:30AM REDWOOD
DIVERSITY: FROM PROJECT TO POLICY | INCLUSIVITY AS TRANSLATABLE FRAMEWORK

Gregory Luhan, University of Kentucky
Michaela Pride, University of New Mexico
Brian Kelly, University of Maryland
Norman Millar, Woodbury University
Nichole Wiedemann**, University of Texas-Austin
Scott Ruff**, Tulane University

*2013 Diversity Achievement Award Winners

Architecture programs across the nation are finding themselves at a synergistic and inclusive intersection—a crossroads that links Academic Excellence to issues related to Diversity and Equity. This special focus session seeks to advance the discussion by identifying, collecting, and making available recognized “best practices” that could serve an invaluable “how to” guide that would help schools strengthen and integrate their diversity plans. The session will have two parts, panel presentations and a looping exercise. This brainstorming session will not result in a prescriptive plan, but rather, a translatable framework that demonstrates how actionable ideas from diversity-based design projects can respond to and inform program specific policies.

NAAB INFORMATION SESSION (HIGHLIGHTS FROM THE ACCREDITATION REPORT)
Andrea S. Rutledge, CAE, NAAB Executive Director

During this session, the NAAB will present the results of its annual analysis of the data submitted by architecture programs into the Annual Report Submission (ARS) System in the fall of 2012. In addition, the NAAB will review the results of all accreditation decisions made for the 2012 visit cycle and other significant activities during the year.

SUPER SESSION
101_3 GENETIC SYSTEMS + NON-STANDARD MODES OF (RE)PRODUCTION
Chris Hight, Rice University
Heather Roberge, University of California, Los Angeles
Branko Kolaveric, University of Calgary

Digital technologies have evolved from being simply representational tools invested in the depiction of existing models of architectural space to becoming significant performative machines that have transformed the ways in which we conceive and configure form, space and material. These technologies have enabled the emergence of a new parametric practices emulating genetic and iterative dynamic evolutionary processes that function at multiple scales and in different domains. These tools are radically changing the ways in which we integrate disparate types of material information into the design process, while altering methodologies directly influencing both design and manufacture. That our current models of space are far more continuous, variant and complex is specifically a result of the tools we are using to produce them, an inevitable byproduct of the ever-expanding capacities of digital computation and related fabrication technologies. These sessions focus on current negotiations and mediation strategies emerging within the digital realm between differing scales of operation that extend from building component to urban environment, between internal codes and external forces that reflect the nature/nurture dichotomy within design, between computational design strategies and the technologies governing fabrication and production.
NEW CONSTELLATIONS, NEW ECOLOGIES

Super Session
101_4 Exchange Terminals + Interactive Technologies
Jason Johnson, California College of the Arts
Carlo Ratti, Massachusetts Institute of Technology
Nashid Nabian, Massachusetts Institute of Technology
John McMorrough, University of Michigan

Sensing the City is geared primarily to one to one scale interactions that extend the sensible environment of the body through architectural interfaces, Medi- scapes looks at the history and evolution of media and civic space and the recent impact of the social network on civic space, Living-Bits and Bricks investigates the technological interface between digital information and the scale and operation of the city, and Negotiated Territory solicits proposals which where resistance and negotiation are seen as constitutive rather than restrictive of the design process itself.

NAAB Information Session: Ask the NAAB
Andrea S. Rutledge, CAE, NAAB Executive Director
Ted Landsmark, NAAB President
Linda Kiisk, AIA, NAAB President-elect

This is an open session with NAAB leaders and staff. Program administrators with upcoming visits; individuals interested in being on teams; anyone with a question about the NAAB, accreditation, annual reports, team rooms, ARPs, or the 2013 Accreditation Review Conference is welcome to attend.

NCARB Matters!!
NCARB programs & resources matter to you - and your students. You impart knowledge; you need to be current & knowledgeable! Come learn about ways your students can earn supplemental experience toward completion of the Intern Development Program while still in school. We'll also discuss the IDP Educator and Student Coordinator roles, and how you can get money for your innovative program through the NCARB Award, and more. Let’s talk - bring your questions, suggestions, and ideas about NCARB programs.

Aspirations of Leadership + Lunch
Donna Robertson, Illinois Institute of Technology
Sharon Matthews, Boston Architectural College
Frances Bronet, University of Oregon

Panelists representing a spectrum of contexts will discuss the roles and paths of leadership across the breadth of the discipline. What are the possible positions of leadership to move up to? What preparation do you need to succeed (degrees, mentors, experience, portfolio, etc.)? How does it fit into one’s overall life? There will be ample time for questions and comments from the audience.

Sponsored by the Women's Leadership Council

Exhibit Hall Lunch

Practicing Teachers | Teaching Practice
Donlyn Lyndon, University of California. Berkeley
Marvin Malecha, North Carolina State University

Presented by the ACSA College of Distinguished Professors (DPACSA)
SUPER SESSION
101_5 ENCLAVES/TERRITORIES + EXPANDING MEGALOPOLISES
Elijah Hauge, Wesleyan University
Mona El Khafif, California College of the Arts
Felipe Correa, Harvard University
Julia Czerniak, Syracuse University

Urban environments and their surrounding territories are rapidly evolving in response to threats, pressures and opportunities that extend far beyond the boundaries of the traditional city. Environmental and social volatility, the migrations of populations, infrastructural demands and shifting economies operating at the regional and global mega-scale are accelerating the rate at which cities are transforming, rendering obsolete traditional planning techniques while demanding new methods of urban de-coding, new design strategies for prototyping growth, and a new toolbox of spatial and infrastructural concepts with which to re-imagine and re-define the 21st century city.

SUPER SESSION
101_6 POPULATIONS/NETWORKS/DATASCAPES: FROM CLOUD CULTURE TO INFORMAL COMMUNITIES
Ana Miljaki, Massachusetts Institute of Technology
Amanda Reeser Lawrence, Northeastern University
Armando Montilla, Clemson University
Laura Kurgan, Columbia University
Nicholas de Monchaux, University of California, Berkeley

Populations and audiences are evolving through digital interfaces, new discursive networks, ground-up community-based practices, new constituencies and communities previously under-represented or invisible to conventional notions of the public, identity groups, and organizations. These panels examine architecture's emerging discourses and publics as well as the ways in which data proliferation, geospatial information and the cartographies of new media are shaping our understanding of these cultural communities.

Join us at the California College of Arts (1111 Eighth Street) for the exhibition and closing keynote.
EVENING EVENTS AT
CALIFORNIA COLLEGE OF THE ARTS (CCA)

5:30PM-6:30PM
RESEARCH+DESIGN PROJECT SESSION / EXHIBITION
Please see the listing of all project presenters on page 33 of this program book.

6:30PM-8:00PM
CLOSING KEYNOTE
Gregg Pasquarelli is an American architect and a founding partner of SHoP Architects of New York. This design think tank has pushed the architect’s realm past form making and into software design, real estate development, emergent construction research, and the co-development of new sustainable technologies. SHoP’s recent work includes the Barclays Center at Atlantic Yards in Brooklyn; a two-mile esplanade and park along the East River Waterfront; the Innovation Hub government complex in Botswana, Africa; the South Street Seaport redevelopment; a new Major League Soccer stadium in New York; and projects for Google in Mountain View, CA.

Tau Sigma Delta National Honor Society sponsored lecture.

8:00PM-9:00PM
RECEPTION

DIRECTIONS TO CCA FROM THE GRAND HYATT
Saturday evening’s events will be held at: 1111 Eighth Street
Buses will loop between The Grand Hyatt and CCA beginning at 4:30pm and ending at 9:30pm. Alternative transportation options:

PUBLIC TRANSIT
(Approx. 35 min)
1. Walk to 2nd St. & Stevenson St.
2. Board Bus 10 – Townsend towards General Hospital (13 mins. 13 stops)
3. Get off at Rhode Island St. & 15th St.
4. Walk to 1111 8th St:
   • Head south on Rhode Island St. toward 15th St.
   • Turn left onto 15th St.
   • Continue onto 8th St.

WALKING (2.1 MILES)
1. Head south on Stockton St. toward Campton Pl
2. Turn R onto Post St.
3. Turn L onto Powell St.
4. Slight R to stay on Powell
5. Turn L to stay on Powell St.
6. Turn R onto Market St.
7. Turn L onto 5th St.
8. Turn R onto Townsend St.
9. Turn L onto 7th St.
10. Turn L onto Taylor St.
11. Turn L onto 8th St.

Destination will be on the left.
Grand Hyatt San Francisco

DIRECTIONS

From San Francisco Int'l Airport (20 min.): Take 101 North toward the Bay Bridge. Take 4th St. exit, proceed 1 block to 3rd St. and turn left. Proceed to Sutter St. and turn left. Take Sutter St. to Stockton St. and turn left.

From Oakland Airport (20 miles): Take I-80 North to the Bay Bridge. Take the Fremont St. exit (on right). Proceed 1/2-block on Fremont St. Turn left onto Howard St. Turn right onto 3rd St. Cross ... changes to Kearny). Take Kearny 2 blocks to Sutter St. and turn left. Take Sutter St. to Stockton St. and turn left.
101_1 WASTE(LANDS) + MATERIAL ECONOMIES

The Rise and Impending Reincarnation of Norman Fosters’ Harmon Tower
Glenn Nowak, University of Nevada, Las Vegas
Josh Lopeman, University of Nevada, Las Vegas

Allison Warren, University of Illinois, Urbana-Champaign
Erik M. Hemingway, University of Illinois, Urbana-Champaign

Material Solutions for Indoor Air Quality
Carmen Trudell, California Polytechnic State University

Opportunistic Ecologies - Using Waste to Catalyze Socio-Ecological Growth in the Sonoran Desert
Ken McCown, University of Nevada, Las Vegas

Free Zoning
Georg Rafailidis, University At Buffalo, SUNY

The Dredge Cycle
Brett Milligan, University of Oregon

Forming Welfare Waterscape
Rosalina Wenningsted-Torgard, Copenhagen University

From the BLIGHTY MISSISSIPPI to the MIGHTY MISSISSIPPI
Allison Mendez, Washington University in St. Louis
Derek Hoefler, Washington University in St. Louis
Irene Compadr, Washington University in St. Louis
Jonathan Stitelman, Washington University in St. Louis

FLOODPLAN
Jennifer Lee Michaliszy, Wentworth Institute of Technology
Patricia L. Heyda, Washington University in St. Louis

Pop Rocks Soft urban boulder field
Amber Frid-Jimenez
Joseph Dahmen, University of British Columbia
Matthew Soules, University of British Columbia

Synthetic Manufacturing: Resilient Modular System (RMS)
Wendy W. Fok, University of Houston

101_2 ENERGY CIRCUITS + ARTIFICIAL ECOLOGIES

The Window Unit
Carey Clouse, University of Massachusetts, Amherst
Zachary Lamb, Tulane University

ICE haus -Resource Hub
Robert Corser, University of Washington

eSkin: Energy Minimization via Multi-Scalar Architectures
Jenny Sabin, Cornell University

Customizing Performance in Ceramic Louver Systems
Clare Olsen, California Polytechnic State University
Grant Cogan, California Polytechnic State University

urban FILTER
Kevin N. Erickson, University of Illinois, Urbana-Champaign

Waterscapes and soft infrastructures for the Thames Gateway
Laura J Allen, Smout Allen

Material Ecologies: Concrete, Climate, and Craft
Clare Olsen, California Polytechnic State University
Carmen Trudell, California Polytechnic State University
Jeff Ponitz, California Polytechnic State University
Mark Cabrinha, California Polytechnic State University

Extreme Ocularity
Jennifer Marmon, Platform for Architecture + Research
Matthew Young, Platform for Architecture + Research

In S.T.E.A.D.
Randolph Ruiz, California College of the Arts
101st ACSA Annual Meeting

101st 3 GenetIc SysteMs + Non-standarD modes of (re)prodUction

Sartorial Tectonics
Andrew Saunders, Rensselaer Polytechnic Institute

Rule Based Computation & Generative Form Seeking
Ming Tang, University of Cincinnati

Palindromes
Clark Thenhaus, University of Colorado Denver

HP2
Brian Kelly, University of Nebraska-Lincoln

Bayou-luminescence
Matt Hutchinson, California College of the Arts
Igor Siddiqui, University of Texas at Austin

Public Square Architecture Installation
John H. Abell, Washington State University
Brandon Patterson, Washington State University
Robert Brockman, Washington State University
Cameron Johnson, Washington State University
Jeff Hyslop, Washington State University
Aaron Pasquale, Washington State University
Tyler Troutman, Washington State University

Collaborative Craft
Clare Olsen, California Polytechnic State University
Errol Willett, Syracuse University

Ceramic House
Joshua G. Stein, Woodbury University

Frame & Textile: Hybrid Materials, Hybrid Methods
Ben Hagenhofer-Daniell, University of Michigan
Courtney Chin, University of Michigan
Peggy Chong, University of Michigan

Assembly Pavilion
Brennan Buck, Yale University

Responsive Origami
David Lee, Clemson University

Systematic Narcissism
Wendy W. Fok, University of Houston

Great White: A Plastic Folded Plate Structure
Andrew Wolking, University of Michigan
Ted Teng, University of Michigan
Robert Yuen, University of Michigan
Geoffrey R Salvatore

Prototype: Wilderness Cabin #1
Doug A Skidmore, Lawrence Technological University

Collaborative Crafting: Arena Screen Wall
Anselmo Gianluca Canfora, University of Virginia
Jeff Ponitz, California Polytechnic State University
101_4 EXCHANGE TERMINALS + INTERACTIVE TECHNOLOGIES

Luminous Kite Lanterns: Spatially responsive audio-visual field
Aki Ishida, Virginia Tech

Vivarium
Benjamin Rice, California College of the Arts

Datagrove
Jason Kelly Johnson, California College of the Arts
Nataly Gattegno, California College of the Arts

S. Alt City: Interactive Mural
Brett L Snyder, University of California, Davis

Pharmacophore: Architectural Placebo
Ariane Lourie Harrison, Yale University
Seth Harrison

Veer
Adam Fure, University of Michigan

Empty Pavilion
McLain Clutter, University of Michigan
Kyle Reynolds, University of Wisconsin-Milwaukee

Hex•Dex
Eric Meyer, University of New Mexico
Joe Kniss, University of New Mexico
Tim Castillo, University of New Mexico

101_5 ENCLAVES / TERRITORIES + EXPANDING MEGALOPOLISES

Amalgam - Shanghai 2212
Wendy W. Fok, University of Houston

Urban Formation Machines: Modeling Urban Complexity Within a Parametric Environment
Christopher Falliers, California College of the Arts

Playa Lubbock
William Truitt, University of Houston

Fuori le Mura
Joshua G. Stein, Woodbury University

Reclaiming Nature’s Metropolis
Matt Wagner, Virginia Tech
Kevin Scott, Röllerhaus Pictureworks & Design Co.
Alexander Jack, William McDonough + Partners
Trevor Dykstra, Coop15, Sticklab
Carl Sterner, Sefaira

Beta-Bridge
David Fletcher, California College of the Arts

101_6 POPULATIONS / NETWORKS / DATASCAPES: FROM CLOUD CULTURE TO INFORMAL COMMUNITIES

Logistical Urbanism: New Freightscapes
Clare L. Lyster, University of Illinois at Chicago

PROXY, an Experiment in Flexible Urbanism
Douglas John Burnham, California College of the Arts

iLOUNGE: A Prototype for the Temporary City
Marcella Del Signore, Tulane University
Mona El Khaffif, California College of the Arts

New Cartographies of Flow
Clare L. Lyster, University of Illinois at Chicago
The ACSA Annual Meeting would not be possible without the support and dedication of its members. Thank you to all who participated as reviewers this year.

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New York Institute of Technology

Peter Anderson
California College of the Arts

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Tau Sigma Delta was organized in 1913 at the University of Michigan at the suggestion and guidance of the faculty in Architecture and Landscape Design who selected the first group of senior honor students to be the founding members. Tau Sigma Delta has developed from a senior honor society in Architecture and Landscape Architecture to become inclusive of both juniors and seniors in Architecture, Architectural Engineering, Architectural Design, Landscape Architecture, Painting, Sculpturing, Planning, Decorative Design, Interior Decoration, and all the arts allied with Architecture.

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University of Calgary
University of North Carolina Charlotte
Take a moment to view the winning projects in the Exhibit Hall. Submissions for this year’s competitions are currently open. http://acsa-arch.org/programs-events/competitions

### 2011-12 AISC Steel Student Design Competitions

**Category I: Culinary Arts College**

**First Place**
Project Title: The Paris Market Lab
Faculty Sponsor: Jonathan Reich
Student: David Heck
School: California Polytechnic State University

**Second Place**
Project Title: Culinary Arts College
Faculty Sponsors: Jeff Krieger, David Ade, Jim Rowe, David Brawer, Kurt Raymond, Robert E. Nalls
Student: Eric Simon
School: Drexel University

**Third Place**
Project Title: Native American Culinary Arts Institute (NACAI)
Faculty Sponsor: Kevin Stevens
Student: Michael Markham
School: Louisiana Tech University

**Category II: Open**

**First Place**
Project Title: Kansas City Soccer Training Center
Faculty Sponsor: Kent Spreckelmeyer
Student: Dan DeWeese
School: University of Kansas

**Second Place**
Project Title: Landscape: Rehabilitation Research Center
Faculty Sponsor: Roman Montoto
Student: Jason Allred
School: University of Idaho

**Third Place**
Project Title: [Re]Purposed
Faculty Sponsor: Eric Olsen and Gerard Smulevich
Students: Teagan Castellon and Brian Diaz
School: Woodbury University
2011-12 THE SUSTAINABLE HOME: A HABITAT FOR HUMANITY COMPETITION

SOUTH REGION WINNER
Project Title: NOTBLOX® Affordable Housing Project: Assembling Sustainable Communities with Insulating Concrete Forms
Faculty Sponsor: Ulrike Heine
Student: Nick Barrett and Samuel Pruitt
School: Clemson University

WEST REGION WINNER
Project Title: The S House: A Passive House for Calgary
Faculty Sponsor: Graham D. Livesey
Student: Yiming Su
School: University of Calgary

CENTRAL REGION WINNER
Project Title: The Sustainable Home
Faculty Sponsor: Anthony C. Martinico
Student: Agnieszka Wir-Konas
School: University of Detroit Mercy

NORTHEAST REGION WINNER
VINYL INSPIRATION AND INNOVATION HONORABLE MENTION
Project Title: One simple structural shape, lightweight highly insulated strong and sustainable
Faculty Sponsor: James Cooper
Student: Josh Robinson
School: Pennsylvania State University

BEST USE OF VINYL WINNER
Project Title: The Gallery House
Faculty Sponsors: Justin Miller and Robert Sproull Jr.
Students: Ashley Clark, Peter McInish and Mary Win McCarthy
School: Auburn University

2011-12 SUSTAINABLE LAB STUDENT DESIGN COMPETITION

WINNERS
Project title: Modular Sustainability
Students: Dan Addis, John Kim, Jensen Ying
Faculty Sponsor: Gary P. Moshier
School: Carnegie Mellon University

Project title: MR + EC
Faculty Sponsor: Ulrike Heine
Students: Caitlin Ranson, Dianah Katzenberger
School: Clemson University
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DESIGN INTERVENTIONS FOR CHANGING CLIMATES

CALL FOR ABSTRACTS + DESIGN/RESEARCH PROJECTS

SUBMISSION DEADLINE: APRIL 10, 2013

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BRAVING A NEW WORLD: DESIGN INTERVENTIONS FOR CHANGING CLIMATES
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EXPERIENCE
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Is architecture only about designing buildings?
See how architecture school’s respond to local disasters & global issues...

ARCHITECTURE IS BEING RESOURCEFUL
Doesn’t building just use stuff up?
Architecture students and faculty think big, do more, use less...

SEE THE BEAUTY PAGEANY
Is architecture simply about style?
Good architecture is beautiful AND can do and say a lot...

CURIOUS ARCHITECTURE CULTURE
Are architects only visionaries who work alone?
Discover architecture graduates as collaborators, teachers, community agents, entrepreneurs....

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Visit this temporary gallery since, like life, Architecture needs a place for the unpredictable....

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March 2014, Miami, FL. Host School: Florida International University
Co-chairs: John Stuart, Florida International University & Mabel Wilson, Columbia University

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