

SOCIAL MEDIA

Twitter: @ACADIA2014

Twitter hashtag: #Acadia2014

Facebook: /ACADIAconference

INTERNET ACCESS

To connect to USC Guest Wireless, choose the "**USC Guest Wireless**" network in your device's wireless settings.

USC recommends the following steps to protect your data while on any wireless network:

Visiting only secure Web pages—those whose URLs begin with https:// Encrypting any confidential or sensitive information

Support

If you need assistance with you connection to USC Guest Wireless or eduroam, contact the ITS Customer Support Center at 213-740-5555 or consult@usc.edu.

USC SCHOOL OF ARCHITECTURE OPEN HOURS

USC is open to visitors 7 days a week from 8 am - 10pm.

CONFERENCE GENERAL SCHEDULE

CONFERENCE SCHEDULE

MONDAY 20TH
TUESDAY 21ST
WEDNESDAY 22ND
THURSDAY 23RD
FRIDAY 24TH
SATURDAY 25TH

SUNDAY 26TH

CONFERENCE LOCATIONS

KEYNOTES

2014 AWARD WINNERS

PANEL DISCUSSIONS

WORKSHOPS

HACKATHON

EXHIBITION

2014 PUBLICATIONS

ACADIA ORGANIZATION

CONFERENCE MANAGEMENT & PRODUCTION

PEER REVIEW COMITEE

VOLUNTEERS

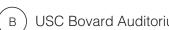
SPONSORS

Monday Saturday Tuesday Wednesday Thursday Friday Sunday 20/10/14 21/10/14 22/10/14 23/10/14 24/10/14 25/10/14 26/10/14 8:00am 9:00am Workshops Introduction Openning Remarks Workshops Session 05 Acadia Session 3: Workshops Session 03 Acadia Session 5: Acadia Session 6: Acadia Hackathon Material Agency Temporal Agency Data Agency Hosted by Annenberg Innovation Lab Session Chair: Session Chair: Session Chair: 10:00am Alisa Andrasek Neil Leach Kyle Steinfeld Workshops Session 01 Acadia Session 2: Acadia Session 1: 7 speakers + roundtable 7 speakers + roundtable 7 speakers + roundtable Design Agency Parametric Agency Session Chair: Session Chair: 11:00am Roland Snooks Kris Mun 7 speakers + roundtable 7 speakers + roundtable 12:00am (U Awards Lecture - Neil Gershenfeld Awards Lecture - Jenny Sabin 1:00pm Lunch Lunch Lunch Lunch Lunch Lunch Lunch (A)2:00pm Workshops Session 02 Workshops Session 04 Workshops Session 06 AIA Tap Panel Talk: Acadia Session 4: Paradigms in Computing Panel Acadia Hackathon Hosted by Annenberg Innovation Lab Jordan Brandt Fabrication Agency Session Chair: 3:00pm Matias del Campo Acadia Session 1: Acadia Session 2: Acadia Session 5: Acadia Session 6: 7 speakers + roundtable Design Agency Parametric Agency Data Agency Temporal Agency Session Chair: Session Chair: Session Chair: Session Chair: 4:00pm Roland Snooks Kris Mun Neil Leach Kyle Steinfeld 7 speakers + roundtable 7 speakers + roundtable 7 speakers + roundtable 7 speakers + roundtable 5:00pm $\left(\mathsf{A} \right)$ (U Ice-cream social / Exhibition openning 6:00pm Acadia Annual General Meeting Evening Keynote: Evening Keynote: Evening Keynote: Evening Keynote: 7:00pm Hosted by Sci-Arc Hosted by USC School of Architecture Hosted by USC Hosted by USC Visions and Voices Evening Keynote: Will Wright **Greg Otto Marc Fornes** Zaha Hadid Hosted by USC (U Casey Reas 8:00pm Catered Dinner provided by ACADIA Banquet Dinner provided by ACADIA 9:00pm **Exhibition Openning** Awards Ceremony

Suggested evening venue:

Rooftop @ The Standard Hotel











Suggested evening venue:

Upstairs @ The ACE Hotel



Suggested evening venue:

EightyTwo

USC Annenberg Innovation Lab



THURSDAY 23RD - MORNING SESSION 1: DESIGN AGENCY

USC Ronald Tutor Center Grand Ballroom - Room A	U	9:00AM		Introduction by the Chairs
		9:30AM		Session Introduction - Roland Snooks DESIGN AGENCY
		9:40AM	SPEAKER 1:	iGeo: Algorithm Development Environment for Computational Design Coders with Integration of NURBS Geometry Modeling and Agent Based Modeling Satoru Sugihara
		9:55AM	SPEAKER 2:	Bounded Agency: Integrating Informed Multi-agent Systems with Architectural Subtractions
				Joshua M Taron - Matthew Parker
		10:10AM	SPEAKER 3:	Agent-based models for computing circulation Renee Puusepp
		10:25AM	SPEAKER 4:	Context-Aware Multi-Agent Systems: Negotiating Intensive Fields Rodrigo Shiordia Lopez - David Gerber
		10:40AM	ROUNDTABLE	Round Table
		11:00AM	BREAK	
USC Ronald Tutor Center Grand Ballroom - Room A	U	11:30AM	SPEAKER 5:	Mesh Agency Gwyllim Jahn - Tom Morgan - Stanislav Roudavski
		11:45AM	SPEAKER 6:	Euclid's Wedge Mark Ericson
		12:00PM	SPEAKER 7:	Designing with Gradients: Bio-Inspired Computation for Digital Fabrication
				Daniel Richards Martyn Amos
		12:15PM	SPEAKER 8:	The Agency of Event: Event based simulation for architectural design
				Paul Nicholas
				Martin Tamke
				Jacob Riiber
		12:30PM	ROUNDTABLE	Round Table
		1:00PM	LUNCH BREAK	

THURSDAY 23RD - MORNING SESSION 2: PARAMETRIC AGENCY

USC Ronald Tutor Center Grand Ballroom - Room B	U	9:00AM		Introduction by the Chairs
		9:30AM		Session Introduction - Kris Mun PARAMETRIC AGENCY
		9:40AM	SPEAKER 1:	Interactive Shaping of Forces
				Corentin Fivet - Denis Zastavni
			SPEAKER 2:	Illustrated Programming
		9:55AM		Antonio Leitao - José António Branquinho De Oliveira Lopes - Luís Santos
		10:10AM	SPEAKER 3:	Digital Wallpaper and Envelopes: Tiles of proliferation and continuity
				Sabri Gokmen - Daniel Baerlecken
		10:25AM	SPEAKER 4:	Smart Nodes: A System for Variable Structural Frames with 3D Metal-Printed Nodes
				Kristof Crolla - Nicholas Williams
		10:40AM	ROUNDTABLE	Round Table
		11:00AM	BREAK	
USC Ronald Tutor Center Grand Ballroom - Room B	U	11:30AM	SPEAKER 5:	HARVEST Shade Screens: Programming material for optimal energy building skins
				Jonathan Grinham - Robert Blabolil - Jeremy Haak
		11:45AM	SPEAKER 6:	Snap-fit Joints - CNC fabricated, Integrated Mechanical Attachment for Structural Wood Panels
				Christopher Robeller - Paul Mayencourt - Yves Weinand
		12:00PM	SPEAKER 7:	Simplexity: Unitized FRP Façade Systems
				Mark Cabrinha
				Jeff Ponitz
		12:15PM	SPEAKER 8:	Fabrication Aware Form-Finding: A Combined Quasi-Reciprocal Timber and Discontinious Post-tensioned Concrete Structure
				Iain Maxwell
				David Pigram
				Ole Egholm-Pedersen
		12:30PM	ROUNDTABLE	Round Table
		1:00PM	LUNCH BREAK	

THURSDAY 23RD - AFTERNOON SESSION 1: DESIGN AGENCY

USC Ronald Tutor Center Grand Ballroom - Room A	U	2:00PM		AIA TAP Panel
USC Ronald Tutor Center	U	3:00PM		Roland Snooks - Introduction to part 2
Grand Ballroom - Room A	\bigcirc			DESIGN AGENCY
		3:05PM	SPEAKER 1:	Exploring Interactions For Parametric Modeling, Starting from Text Maher Elkhaldi Robert Woodbury
		3:20PM	SPEAKER 2:	Configurations of Intensity
				Mirco Becker
		3:35PM	SPEAKER 3:	Productive Hybrids: Folding Social Media As Urban Analysis
				Alexander Webb
		3:50PM	ROUNDTABLE	Round Table
		4:10PM	BREAK	
USC Ronald Tutor Center Grand Ballroom - Room A	U	4:40PM	SPEAKER 4:	Imperative / Functional / Object-Oriented: an alternative ontology of programmatic paradigms for design Kyle Steinfeld Carlos Sandoval
		4:55PM	SPEAKER 5:	Everyone is an Architect
				Claudia Otten
		5:10PM	SPEAKER 6:	Polyomino – reconsidering serial repetition in combinatorics.
		E 05D14		Jose Sanchez
		5:25PM	SPEAKER 7:	Emergent Inactivities: From the Primitive Hut to the Cerebral Hut
				Neil Leach
		5:40PM	ROUNDTABLE	Round Table
USC Ronald Tutor Center Grand Ballroom - Room A-B	3 U	6:30PM	KEYNOTE	Keynote Lecture by Will Wright
USC School of Architecture	e (A)	8:00PM	DINNER	Dinner provided by ACADIA

THURSDAY 23RD - AFTERNOON SESSION 2: PARAMETRIC AGENCY



FRIDAY 24TH - MORNING SESSION 3: MATERIAL AGENCY

	Loker Conference Center @ L	9:00AM		Session Introduction - Alisa Andrasek
	California Science Center			MATERIAL AGENCY
		9:10AM	SPEAKER 1:	The Social Weavers: negotiating a continuum of agency
				Paul Nicholas - David Stasiuk - Tim Schork
		9:25AM	SPEAKER 2:	Computational Sand Pile Techniques for Rough Acoustical Ceramics.
				Rhett Russo
		9:40AM	SPEAKER 3:	Additive Formwork: 3D Printed Flexible Formwork
				Brian Peters
		9:55AM	SPEAKER 4:	Tensile Effects: Semi-Ridged Concrete Formwork
				Kenneth Tracy - Christine Yogiaman - Lavender Tessmer
		10:10AM	ROUNDTABLE	Round Table
		10:30AM	BREAK	
Loker Conference Center @ L California Science Center	11:00AM	SPEAKER 5:	Bug-Out Fabrication: A Parallel Investigation using the Namib Darkling Beetle as a Biological Model and Incremental Sheet Metal Forming as a Fabrication Method	
				Ammar Kalo - Michael Jake Newsum
		11:15AM	SPEAKER 6:	Towards a Digital Anisotropic Materiality
				Daniel Rhomberg
		11:30AM	SPEAKER 7:	From Surface to Volume - An Approach to Poche` with
				Composites
				Nazareth Ekmekjian
		11:45PM	SPEAKER 8:	4D Printing and Universal Transformation
				Skylar Tibbits - Carrie McKnelly - Carlos Olguin - Shai Hirsch - Daniel Di
		12:00PM	ROUNDTABLE	Round Table
	Loker Conference Center @ L California Science Center	12:20PM	AWARD TALK	Awards Lecture by Neil Gershenfeld
		1:00PM	LUNCH BREAK	

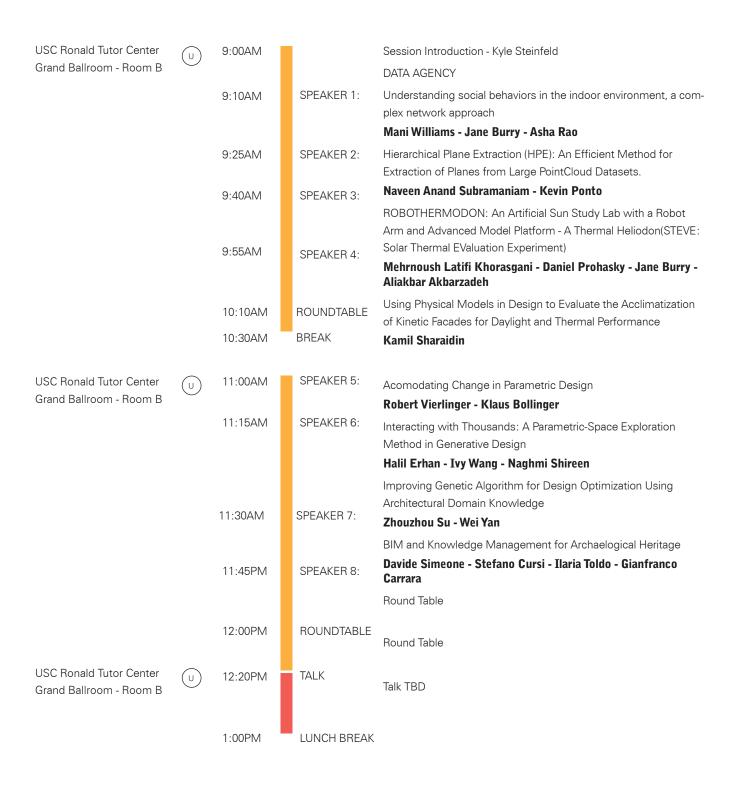
FRIDAY 24TH - AFTERNOON SESSION 4: FABRICATION AGENCY

Loker Conference Center @ (L)	2:00PM		Session Introduction - Matias Del Campo
California Science Center			FABRICATION AGENCY
	2:10PM	SPEAKER 1:	Centennial Chromagraph: Data Spatialization and Computational Craft
			Adam Marcus
	2:25PM	SPEAKER 2:	Behavioral Strategies: Synthesizing design computation and ro- botic fabrication of lightweight timber plate structures
			Tobias Schwinn - Oliver David Krieg - Achim Menges
	2:40PM	SPEAKER 3:	Form Complexity - Rewind 'God's Eye' Sukkahville 2013
			Michail Georgiou - Odysseas Georgiou - Theresa Kwok
	2:55PM	SPEAKER 4:	Caret 6 and the Digital Revival of Gothic Vaults
			Kory Bieg
	3:10PM	ROUNDTABLE	Round Table
	3:30PM	BREAK	
Loker Conference Center @ L California Science Center	4:00PM	SPEAKER 5:	Nearly Minimal: How intuition and analysis inform the minimal surface geometries in the Pure Tension pavilion. Alvin Huang - Stephen Lewis
	4:15PM	SPEAKER 6:	Integrative computational design methodologies for modular ar-
		3. 223.	chitectural fiber composite morphologies
			Moritz Dörstelmann - Marshall Prado - Stefana Parascho - Jan Knippers - Achim Menges
	4:30PM	SPEAKER 7:	Designing Intricate Stereotomic Assemblies with Finite Element Method (FEM) Surface Buckling Simulation Justin Diles
	4:45PM	SPEAKER 8:	Post-forming Composite Morphologies: Materialization and design methods for inducing form through textile material behavior Sean Ahlquist
	5:00PM	ROUNDTABLE	Round Table
USC School of Architecture (A)	5:30PM		Ice cream Social and Exhibition Openning
USC Bovard Auditorium	6:30PM	1	Collect Zaha Hadid Tickets at Bovard Hall
USC Bovard Auditorium	7:00PM	KEYNOTE	Keynote Lecture by Zaha Hadid
330 Boyara Additorium			·

SATURDAY 25TH - MORNING SESSION 5: TEMPORAL AGENCY

USC Ronald Tutor Center Grand Ballroom - Room A	U	9:00AM		Session Introduction - Neil Leach TEMPORAL AGENCY
		9:10AM	SPEAKER 1:	Interface Activated Design Agency: Case for an Architectural Singularity Through Robotically Actuated Motion, Sense-Based
		9:25AM		Interaction and Computational Inference Guvenc Ozel
			SPEAKER 2:	This is not a Glitch: Algorithms and Anomalies
		9:40AM		Jason Johnson Matthew Parker
			SPEAKER 3:	Seeing and is Doing: Synthetic Tools for Robotically Augmented Fabrication in High-Skill Domains
				Joshua Bard - Madeline Gannon - Zachary Jacobson-Weaver - Michael Jeffers - Brian Smith - Mauricio Contreras
		9:55AM	SPEAKER 4:	One and Many: An Agent Perspective on Interactive Architecture Henri Achten.
		10:10AM	ROUNDTABLE	Round Table
		10:30AM	BREAK	
USC Ronald Tutor Center	U	11:00AM	SPEAKER 5:	Adaptive Pneumatic Frameworks
Grand Ballroom - Room A				Frank Melendez - Madeline Gannon - Zachary Jacobson-Weaver - Varvara Toulkeridou
		11:15AM	SPEAKER 6:	PneuSystems: cellular pneumatic envelope assemblies
		44.00444	0054450 5	Kathy Velikov - Geoffrey Thun - Mary O'Malley
		11:30AM	SPEAKER 7:	Casting Non-Repetitive Geometries with Digitally Reconfigurable Surfaces
				Brad Bell - T. Cord Read - Austin Ede - Nathan Barnes
		11:45PM	SPEAKER 8:	Peristalsis: A Real-World Lesson in Adaptable Space
				Michael Fox - Juintow Lin
		12:00PM	ROUNDTABLE	Round Table
USC Ronald Tutor Center Grand Ballroom - Room A	U	12:20PM	AWARD TALK	Awards Lecture by Jenny Sabin
		1:00PM	LUNCH BREAK	

SATURDAY 25TH - MORNING SESSION 6: DATA AGENCY



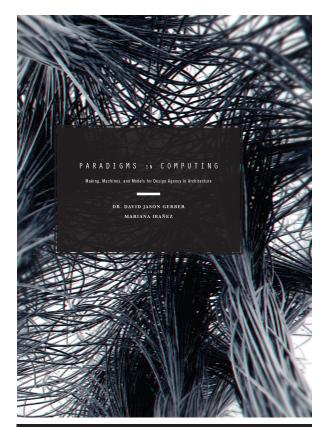
SATURDAY 25TH - AFTERNOON SESSION 5: TEMPORAL AGENCY

USC Ronald Tutor Center Grand Ballroom - Room A	U	2:00PM		Paradigms in Computing Panel
		3:00PM		Neil Leach - Introduction to part 2
				TEMPORAL AGENCY
		3:05PM	SPEAKER 1:	Architecture in the era of accelerating change
				Manuel Kretzer
		3:20PM	SPEAKER 2:	Le Cube d'Après, Integrated Cognition for Iterative and generative Designs.
				Pierre Cutellic
		3:35PM	SPEAKER 3:	InSpire: Integrated Spatial Gesture Based Direct 3D Modeling and Display
				Teng Teng - Brian Johnson
		3:50PM	SPEAKER 4:	Augmented Agency: Reorienting Trompe L'oeil in the Age of Google Earth
USC Ronald Tutor Center Grand Ballroom - Room A	U	4:05PM	BREAK	Joshua M Taron - Matthew Parker
Grand Balliooni Troomiy		4:25PM	SPEAKER 5:	Compression Based Growth Modelling Christoph Klemmt
		4:40PM	SPEAKER 6:	Creative Robotic Toolpath Design: Towards Robotic-Production Immanent Design in Micro and Macro Scale
				Sigrid Brell-Cokcan - Johannes Braumann
		4:55PM	SPEAKER 7:	Robotic Fabrication of Acoustic Brick Walls
				Maximilian Vomhof - Lauren Vasey - Stefan Braeuer - Kurt Eggenschwiler - Jürgen Strauss - Fabio Gramazio - Matthias Kohler
		5:10PM	ROUNDTABLE	Round Table
USC School of Architecture	A	5:45PM		ACADIA Annual General Meeting (Open to all members and guests)
USC Ronald Tutor Center Grand Ballroom - Room A-B	U	6:45PM	KEYNOTE	Keynote Lecture by Casey Reas
USC Ronald Tutor Center Grand Ballroom - Room A-B	U	8:00PM	BANQUET	Banquet dinner provided by ACADIA and Awards Ceremony Tex-Fab Winner Announcment

SATURDAY 25TH - AFTERNOON SESSION 6: DATA AGENCY

USC Ronald Tutor Center Grand Ballroom - Room B	USC Ronald Tutor Center (U	3:00PM		Kyle Steinfeld - Introduction to part 2
	Grand Ballroom - Room B				DATA AGENCY
			3:05PM	SPEAKER 1:	'Attachment' as Agency in Off-Site and On-Site Indicators of Phenomena in Geospatial Urban Analysis Tools
					Philip Speranza
			3:20PM	SPEAKER 2:	Synthetic Ecologies: Protocols, Simulation, and Manipulation for Indeterminate Landscapes
					Justine Holzman - Bradley Cantrell
			3:35PM	SPEAKER 3:	Abstraction versus Case Based: A Comparative Study of Two Approaches to Support Parametric Design
					Anastasia Globa - Michael Donn - Jules Moloney
USC Ronald Tuto	USC Ronald Tutor Center	Ū)	3:50PM	SPEAKER 4:	Selective Interference: Emergent complexity informed by programmatic, social and performative criteria
	Grand Ballroom - Room B		4:05PM	BREAK	Christopher Welch - Tane Moleta - Jules Moloney
			4.001 101	DITLAK	
			4:25PM	SPEAKER 5:	MASS REGIMES: Geometrically Actuated Thermal Flows Dana Cupkova - Nicolas Azel
			4:40PM	SPEAKER 6:	Vacuum Insulated Tubes
					Elizabeth Boone
			4:55PM	SPEAKER 7:	Experimental fibre composite fabrication methods for architectur applications
					Marco Corazza - Viral Doshi - Axel Körner - Mehnaj Tabassum.
			5:10PM	ROUNDTABLE	Round Table
	USC School of Architecture (A	5:45PM		ACADIA Annual General Meeting (Open to all members and guests)
	USC Ronald Tutor Center Grand Ballroom - Room A-B	U	6:45PM	KEYNOTE	Keynote Lecture by Casey Reas
	USC Ronald Tutor Center Grand Ballroom - Room A-B	U	8:00PM	BANQUET	Banquet dinner provided by ACADIA and Awards Ceremony Tex-Fab Winner Announcment
				•	

PARADIGMS IN COMPUTING EVENT BOOK LAUNCH



The Paradigms in Computing event book launch and round table discussion.

The Editors of the Paradigms and Computing Making Machines and Models for Design Agency in Architecture along with our publishers will host a panel discussion amongst the editors and contributors. The event is our launch of the book and an opportunity for continuing, and evoking, the discussion we instigated.





Dr. David Gerber University of Southern California

Dr. Gerber is a designer, educator and researcher focused on research that bridges the architectural design endeavor, with engineering and science. Dr. Gerber's advises, PhD students from Architecture and Engineering and is a recipient of multiple National Science Foundation and industry grants. He has authored and edited over 40 articles, books and proceedings and has held fellowships at USC, MIT's Media Lab and Harvard. Professionally, he has worked in architectural practice in the United States, Europe, India and Asia including for Zaha Hadid Architects, Gehry Technologies, Moshe Safdie Architects, The Steinberg Group Architects, and his own practice. Dr. Gerber has been a board level advisor, and an executive officer for design technology companies where as a Vice President of Innovation he has lead teams in research, product development and in consulting and was Vice President of Marketing for Gehry Technologies.

Dr. Gerber is an Assistant Professor of Architecture at the University of Southern California with a joint appointment at USC's Viterbi School of engineering. Dr. Gerber was full time faculty at the SCIArc, and has taught at UCLA, the AA, the EPFL, Stanford University, the Tecnologico de Monterrey Mexico and at Tsinghua University Beijing.

David Gerber received Bachelor of Arts in Architecture from the University of California Berkeley; his M.Arch from the Design Research Laboratory of the Architectural Association; a Master of Design Studies, and his PhD (Doctor of Design) from the Harvard University Graduate School of Design.

www.djgerber.com



Mariana Ibanez Harvard University, Graduate School of Design

Mariana Ibanez is Associate Professor of Architecture at the Harvard University Graduate School of Design. She teaches in the architecture core design studio sequence.

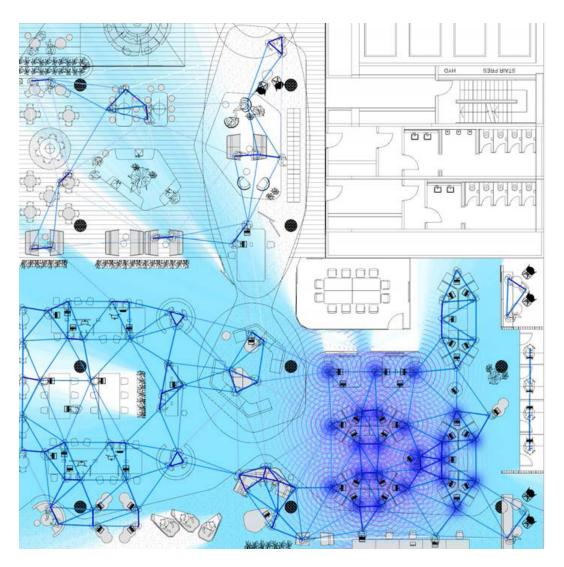
Ibanez is an Argentinean architect and designer. Before attending the Architectural Association in London for her Master of Architecture, she was one of the principals of FIV Architectura, a firm that focused on the design and construction of ephemeral structures for performance spaces.

Her thesis work at the AA focuses on the issue of responsive environments through the implementation of adaptive structures and interphases. The project has been exhibited at the Delft Institute of Technology, the Institute of Contemporary Art in London and the International Biennale of Architecture in Beijing. Reference to this work can be found in publications like AD, Archicreation and Icon magazine.

Ibanez has been a guest critic at the AA, MIT, RISD and other institutions since 2004 and previously taught Design Studio from 1999 to 2002 at the University of Buenos Aires where she had received her Bachelor of Architecture.

In 2005 she co-founded I/K Studio with Simon Kim, a research and design practice with projects in London and Buenos Aires.

After her graduate studies, she joined the Advanced Geometry Unit at ARUP before going to the office of Zaha Hadid where she developed several projects as well as leading the design for the London Aquatic Centre for the 2012 Olympic Games.





Safdie Architects

AIA TAP PANEL

"DIGITALLY DESIGNING COLLABORATION"

a panel discussion hosted by the AIA Technology in Architectural Practice Knowledge Community

Speakers:

Andrew Heumann, NBBJ Ryan Mullenix, NBBJ

Richard Crowder, U. Southhampton

Gustav Fagerström Buro Happold New York

Moderator:

David Ross Scheer

David Ross Scheer brings a broad background in practice, teaching and research to his work on the effects of digital technologies on architecture. He has been a member of the national advisory group of the AIA Technology in Architectural Practice Knowledge Community (TAP) since 2006 and was its Chair in 2012. Through TAP's activities he has gained a broad awareness of the evolving uses and effects of BIM and computation throughout the building industry. His interest in digital design tools has not lessened Mr. Scheer's strong affinity for the tradition of architectural drawing in which he was trained. This led him to write a book titled The Death of Drawing: Architecture in the Age of Simulation (Routledge 2014) about the effects of the transition from drawing to digital tools, particularly on how architects think and design.

Gustav Fagerström is a registered architect and Associate with Buro Happold New York where he leads the structural BIM and advanced modeling team. Specializing in design computation he operates at the intersection of architecture, engineering and computer science. He has practiced architecture with UFO, KPF and UNStudio and has published, given workshops and been on academic juries at architecture and engineering universities worldwide. Work of his has been presented at the Venice Biennale, CAADRIA, ACADIA, FABRICATE and the SmartGeometry conference.

Andrew Heumann leads NBBJ's Design Computation team, overseeing strategy, development, and implementation of computational tools for diverse projects and applications.

Ryan Mullenix, Partner at NBBJ, has led the design of numerous award-winning projects, and is currently the lead designer for Google's new Bay View Campus.

Dr. Richard Crowder is a Senior Lecturer in the Department of Electronics and Computer Science at the University of Southampton. His research interests include robotics, machine learning and agent-based modeling (ABM). He has used ABM to study engineering design teams, evaluating which factors are the best predictors of individual and team success. ABM is a promising method for studying multi-disciplinary building design teams, learning how they can be constituted and organized to increase their effectiveness.

WORKSHOPS



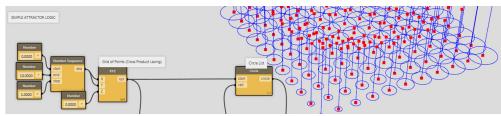
WORKSHOP 1 - 'SWARM INTELLIGENCE: ALGORITHMIC DESIGN STRATEGIES'

by Roland Snooks



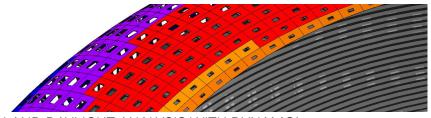
WORKSHOP 2 - DESIGN AGENCY

by Marc Fornes



WORKSHOP 3 - 'ENHANCED PARAMETRIC DESIGN WITH DYNAMO'

by Autodesk



WORKSHOP 4 - 'SOLAR RADIATION AND DAYLIGHT ANALYSIS WITH DYNAMO'

by **Autodesk**



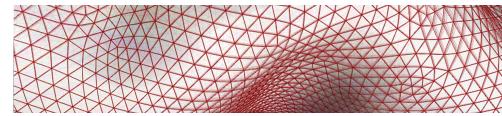
WORKSHOP 5 - PARAMETRIC COLLABORATION

by Andrew Heumann, NBBJ



WORKSHOP 6 - PRODUCTION-IMMANENT DESIGN

by Sigrid Brell-Cokcan & Johannes Braumann / KUKA



WORKSHOP 7 - INTERACTIVE FORM-FINDING WITH PHYSICS - KANGAROO

by **Daniel Piker**

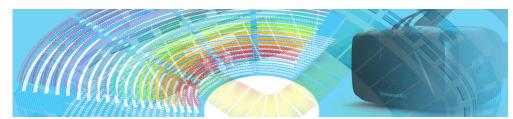








WORKSHOP 8 - ZAHA CODE - PARAMETRICS by Shajay Bhooshan / Vishu Bhooshan / Mostafa El Sayed



WORKSHOP 9 - PERFORMANCE DESIGN: FROM ANALYTIC TO EMPIRICAL

by Shane Burger / Brian Ringley / Peter Van Hage



WORKSHOP 10 - HIGH-THROUGHPUT COMPUTING (HTC) FOR PARAMETRIC EXPLORATION

by SOM Sebastian Claussnitzer, Neil Katz, Matthew Shaxted, Sejung Kat Park, Robert Yori

HACKATHON

HOSTED BY UNITY3D AND USC ANNENBERG INNOVATION LAB SUNDAY 26 OF OCTOBER



Organized by

Jose Sanchez, Kris Mun and Jason Kelly Johnson

Hackathon resident LIVE CODER: Charlie Roberts

Hackathon Champions:

Manuel Jimenez Garcia

Gilles Retsin

Nathan Miller

Satoru Sugihara

Knut Brunier Ezio Blasetti

Biayna Bogosian

Will Hosikian

Benjamin Dillenburger

Igor Pantic

Soomeen Hahm

Michail Desyllas

Alexandr Kalachev
Tudor Cosmatu

Olga Kavrikova

Olga Kavilkov

VicenteSoler Trevor Patt

Nathaniel Zuelzke

Maiden Llaguno

To conclude ACADIA 2014, we will host a HACKATHON event that will encourage every participant of the conference, to open their laptops and share, co-work and enjoy of an exciting 1 day event hosted by the Annenberg Innovation Lab and powered by Unity3D.

The event will host 20 design agency 'champions' around which we will form teams and explore different workflows. The participants will be invited to join any of the groups or wonder around absorbing the amazing range of design techniques of our skilled participants.

The Hackathon celebrates a culture of making and sharing and while we will give prizes to the best outputs at the end of the day, every participant will gain an insight from how designers behind key practices and institutions work

The event invites all design desciplines to work together under one roof, with a special guest, Charlie Roberts who will act as our resident LIVE CODING DJ for the event. The event will be free to all ACADIA 2014 Ticket holders.

PUBLICATIONS



ACADIA 2014 PROCEEDINGS

The Proceedings of the ACADIA 2014: DESIGN AGENCY international conference contains the peer-reviewed research papers presented at the 34th annual conference of the Association for Computer Aided Design in Architecture. Presentations by keynote speakers and ACADIA Award recipients are also included.

ACADIA 2014 PROJECTS

The Projects Catalogue of the ACADIA 2014: DESIGN AGENCY international conference contains jury-selected and curated research and practice projects of the 34th annual conference of the Association for Computer Aided Design in Architecture. Projects by researchers, practitioners, students and by the ACADIA partner organization Tex-Fab are included.

PARADIGMS IN COMPUTING

The Editors of the Paradigms and Computing Making Machines and Models for Design Agency in Architecture along with our publishers will host a panel discussion amongst the editors and contributors. The event is our launch of the book and an opportunity for continuing, and evoking, the discussion we instigated.

DESIGN POSTERS EXHIBITION

RESEARCH PROJECTS

FURLINED

Gail Peter Borden

CARET 6

Kory Bieg

ROBOTIC INFILTRATIONS

Andrei Gheorghe

APERTURES

Scott Uriu

Herwig Baumgartner

MODULAR VARIATIONS

Adam Marcus

(URBANNETWORK)

RETHINKING URBAN PUBLIC ENVIRONMENTS THROUGH GLOBAL INTERACTION

Andrew Wit

Mahesh Daas

Caylon Beville

Shannon Buchanan

Adam Dally

FORMATIVE TECTONIC SCREEN: CRAFT IN DIGITAL AGE

Heamin Kim

Zhenhuan Xu

Heng Zhang

TOPOLOGICALLY OPTIMIZED CONCRETE SHELL STRUCTURE

Alicia Nahmad Vazquez

Shajay Bhooshan

Asbjorn Sondergaard

Chikara Inamura

Joshua Zabel

Mustafa El-Sayed

EXTREME ASSEMBLAGES

Monica Tiulescu

Alexandra Neyman

SOFT TO HARD CANOPY

MAKING LARGE-SPAN TRIDIMENSIONAL STRUCTURES FROM SHORT TIMBER ELEMENTS

Djordje Stojanovic

CENTENNIAL CHROMAGRAPH

Adam Marcus

HELIX

Marcella Del Signore

Giuseppe Morando

Elena Del Signore

A(G)NTENSE

INSTALLATION OF SWARM FORMATION AND AGENT BASED SELF-OPTIMIZATION OF TENSILE AND COMPRESSION

STRUCTURE **Satoru Sugihara**

PARAMETRIC FAÇADE SYSTEMS

PERFORMANCE-DRIVEN DESIGN FOR ULTRA-THIN BUILD-

INGS IN HONG KONG

Jason F. Carlow

INTEGRATED WORK OF MAN AND MACHINE

DIGITAL CRAFT AS DESIGN AGENT

Ming Tang

Colin Klimesh

PROJECT 3XLP

POROUS SKIN PROTOTYPE

Nicholas Bruscia

Christopher Romano

VITALIZED GEOMETRY

Kristine Mun

ROBOTIC INCREMENTAL SHEET METAL

FABRICATION

Ammar Kalo

Michael Jake Newsum

ARCHITECTURE IN THE MAKING

PERFORMANCE, PROTOTYPING, AND PEDAGOGY AT FULL

SCALE

Adam Marcus Margaret Ikeda

Evan Jones

STOICHEIA

TESLA'S APOTHEOSIS, ARCHITECTURE AND SOUND

F. Myles Sciotto

Jean-Michel Crettaz

VERTEX.3D

Brian Peters

WHITEOUT

TOPOLOGICAL EVOLUTION OF EMBEDDED GEOMETRIES

Chandler Ahrens

Aaron Sprecher

Eran Neuman

GEOWEAVER

WALKING 3-D PRINTER HEXAPOD

Jeffrey Maeshiro

POLYOMINO

Jose Sanchez

SOFT-MODELLING

Manuel Jiménez García

EIGENFORMS

BUCKLED STEREOTOMIC ASSEMBLIES

Justin Diles

DENSITY AND OPENESS REVISITED

THE IDEAL CITY OF REFIGURED CIVIC SPACE

Christian J. Lange

Ingeborg M. Rocker

ROBOTIC LATTICE SMOCK

Andrew Saunders

BIOLOGICAL DATA-MINING AND OPTIMIZATION

IN THE CASE OF IMMUNORIUM PROJECT

Mayumi Iitsuka

RESONANT SURFACE 01

Christine Yogiaman

Kenneth Joseph Tracy

DOT/O

Biayna Bogosian

Jose Sanchez

MATERIAL SWARM ARTICULATIONS

THE NEW VIEW RECIPROCAL FRAME CANOPY

Evangelos Pantazis

David Gerber

Iason Pantazis

CENTRIPETAL

Simon Kim

Mariana Ibañez

FLIGHT PATTERN

David Freeland Brennan Buck

CONTEXT-AWARE MULTI-AGENT SYSTEMS

NEGOTIATING INTENSIVE FIELDS

David Gerber

Rodrigo Shiordia Lopez

CALIBRATING AGENCIES IN A TERRITORY OF

INSTRUMENTALITY

Alexander Robinson

SOUND AND THE SCHINDLER HOUSE

F. Myles Sciotto

PRACTICE PROJECTS

SELERIDGES

Marc Fornes

Yayoi Kusama

DOUBLE AGENT WHITE

Marc Fornes

CHROMATAE

Marc Fornes

PURE TENSION PAVILION

Alvin Huang

CHELSEA WORKSPACE

Alvin Huang

DAEGU GOSAN PUBLIC LIBRARY

Alvin Huang

FRP BUILDING

Weiguo Xu

Xiaoan Li

NATIONAL CENTER FOR CONTEMPORARY ARTS

Tom Wiscombe

LAMELLAR FLOWS

DIGITALLY CONCEIVED BUILDING SKIN

Ulla Hell Holger Kehne

Peter Pichler

DISTORTION

Volkan Alkanoglu

CELLULAR COMPLEXITY "EVOLVE"

Julia Koerner Marie Boltenstern

Kais Al-Rawi

NEW HARMONY GROTTO

Andrew Vrana Joe Meppelink

Ben Nicholson

SOUTH AUSTRALIAN HEALTH AND MEDICAL

RESEARCH INSTITUTE (SAHMRI)

Shane Burger

MAY/SEPTEMBER

ESKENAZI HOSPITAL PARKING STRUCTURE FAÇADE

Rob Ley

CELLULAR TESSALLATION

Chris Knapp Jonathan Nelson Michael Parsons LA BREA AFFORDABLE HOUSING

Patrick Tighe
John V. Mutlow

STUDENT PROJECTS

CRYSTAL CLOUD

AmirReza Mirmotahari Joanna Theodosiou

Shahad Thamer Al-Hadeethi

WOVEN CLAY

Jared Friedman Heamin Kim Olga Mesa

ROBOFOAM

Elina Christou Jan Dierckx

Rodrigo Novelo Pastrana

Nikola Papic

ROBOTIC BEAD ROLLING

Jared Friedman Ahmed Hosny Amanda Lee

SCATTERED SOLID

Minjae Ko Jie-Eun Hwang

CELLULAR MORPHOLOGY IN LOS ANGELES

Yuan Yao

DIGITAL GLASSBLOWING FABRICATION

Adam Vukmanov Tadeas Klaban Ondrej Michalek **VERTIGUOUS INTERIORS**

Marta Piaseczynska Rangel Karaivanov Jürgen Strohmayer

BREATHING WALL

Behnaz Farahi

RHEOLOGICAL TRANSLATIONS

Nikita Troufanov Brennen Huller

TEX-FAB

MONOLITH TRANSLUCENT LATTICE

Vasily Sitnikov

PUFF'D COMPOSITES

Brennen Huller Nels Long Nikita Troufanov

PLASTIC STEREOTOMY

TOWARD AN ARCHITECTURE OF LAMINAR POCHÉ

Justin Diles

VISCOPLASTY

Sofia Bennani

Alexandra Singer-Bieder

Agathe Michel

CONFERENCE CHAIRS



Dr. David Gerber University of Southern California

Dr. Gerber is a designer, educator and researcher focused on research that bridges the architectural design endeavor, with engineering and science. Dr. Gerber's advises, PhD students from Architecture and Engineering and is a recipient of multiple National Science Foundation and industry grants. He has authored and edited over 40 articles, books and proceedings and has held fellowships at USC, MIT's Media Lab and Harvard. Professionally, he has worked in architectural practice in the United States, Europe, India and Asia including for Zaha Hadid Architects, Gehry Technologies, Moshe Safdie Architects, The Steinberg Group Architects, and his own practice. Dr. Gerber has been a board level advisor, and an executive officer for design technology companies where as a Vice President of Innovation he has lead teams in research, product development and in consulting and was Vice President of Marketing for Gehry Technologies.

Dr. Gerber is an Assistant Professor of Architecture at the University of Southern California with a joint appointment at USC's Viterbi School of engineering. Dr. Gerber was full time faculty at the SCIArc, and has taught at UCLA, the AA, the EPFL, Stanford University, the Tecnologico de Monterrey Mexico and at Tsinghua University Beijing.

David Gerber received Bachelor of Arts in Architecture from the University of California Berkeley; his M.Arch from the Design Research Laboratory of the Architectural Association; a Master of Design Studies, and his PhD (Doctor of Design) from the Harvard University Graduate School of Design.

www.djgerber.com



Alvin Huang University of Southern California

Alvin Huang, AIA is the Founder and Design Principal of Synthesis Design + Architecture. He is an award-winning architect, designer, and educator specializing in the integrated application of material performance, emergent design technologies and digital fabrication in contemporary architectural practice. This exploration of "digital craft" is identified as the territory where the exchange between the technology of the digitally conceived and the artisanry of the handmade is explored. His wide ranging international experience includes significant projects of all scales ranging from hirise towers and mixed-use developments to bespoke furnishings.

Alvin received a Master of Architecture and Urbanism from the Architectural Association Design Research Laboratory (2004) in London and a Bachelor of Architecture from the University of Southern California (1998) in Los Angeles. His work has been widely published and exhibited and has gained international recognition, including being selected to represent the UK at the Beijing Biennale in 2008. In 2009 he was awarded a D&AD Award for Environmental Design.

Alvin is currently a Tenure-track Professor at the USC School of Architecture in Los Angeles. He has also taught design studios and master classes at the Architectural Association (London), Tongji University (Shanghai), Tsinghua University (Beijing), University of Lund (Sweden) and Chelsea College of Art (London). He has been an invited critic and guest lecturer at various institutions in the UK, US, Germany, Spain, Sweden, Israel, Switzerland and China.

www.synthesis-dna.com



Jose Sanchez University of Southern California

Jose Sanchez is an Architect / Programmer / Game Designer and is a tenure-track Assistant Professor at USC School of Architecture in Los Angeles, California.

His research 'Gamescapes' explores interactive interfaces in the form of video games, speculating on modes of intelligence augmentation, combinatorics and open systems as a design medium. His cross disciplinary research involves education, data-mining, simulation and design, positioning video games as a medium for collaboration and systems thinking.

He is the co-creator of the BLOOM project. BLOOM was the winner of the WONDER SERIES hosted by the City of London for the 2012 Olympics. BLOOM became a UK start-up dedicated to the design and commercialization of building games that can create architectural and spatial installations. The project has since been exhibited all over the world with highlights in The 9th Archilab Exhibition 'Naturalizing Architecture' in Frac Centre, France and 'The Future is Here' at RMIT, Australia.

His background in computational design and digital manufacturing is linked to Biothing with Alisa Andrasek, were he was a principal designer in numerous projects and exhibitions since 2009. He has taught in various institutions such as The Architectural Association, The Bartlett School of Architecture and University of Southern California.

His practice, the Plethora Project, brings together research, design, education and writing, investing in the future of on-line open-source knowledge. The project sits at the forefront of architectural and design free online initiatives and has a large active community. His video tutorials, together with an open-source library of code, reach a vast global audience.

www.plethora-project.com

KEYNOTE



Will Wright

Renowned game creator of The Sims, SimCity and Spore, widely acknowledged for creating the simulation video game genre, unveiled the highly anticipated Spore™ in September 2008. Fans eagerly embraced the creation tools in Spore and have created over 100 Million pieces of user-created content, as of Summer 2009. Spore has been distinguished with such honors as Popular Science's "Best of What's New Award," Popular Mechanics's "Breakthrough Award," PC Magazine's "Technical Excellence Award," Time Magazine's "50 Best Inventions of 2008," and the Jim Henson Technology Honor. A true gaming industry legend as a result of his pioneering contributions to video games, Wright has been the recipient of several prestigious awards and honors. Rolling Stone named Will Wright "One of the 100 People who are Changing America," in March 2009, placing him among artists, leaders, scientists, and policymakers who are "fighting every day to show us what is possible." In 2008, Will received the first-ever Gamer God Award at the Spike Video Game Awards as a testament to his revolutionary work.

KEYNOTE



Casey Reas
University of California, Los Angeles
Co-Creator of Processing

Casey REAS (a k a Casey Edwin Barker Reas, C. E. B. Reas) Born 1972 in Troy, Ohio. Lives and works in Los Angeles.

Casey Reas writes software to explore conditional systems as art. Through defining emergent networks and layered instructions, he has defined a unique area of visual experience that builds upon concrete art, conceptual art, experimental animation, and drawing. While dynamic, generative software remains his core medium, work in variable media including prints, objects, installations, and performances materialize from his visual systems.

Reas' software, prints, and installations have been featured in over one hundred solo and group exhibitions at museums and galleries in the United States, Europe, and Asia. Recent venues include the San Francisco Museum of Modern Art and the Art Institute of Chicago, and recent commissions have been awarded by the Whitney Museum of American Art and the New World Symphony in Miami. Reas' work is in a range of private and public collections, including the Centre Georges Pompidou and the Victoria and Albert Museum.

Reas is a professor at the University of California, Los Angeles. He holds a masters degree from the Massachusetts Institute of Technology in Media Arts and Sciences as well as a bachelors degree from the School of Design, Architecture, Art, and Planning at the University of Cincinnati. With Ben Fry, Reas initiated Processing in 2001. Processing is an open source pro-

gramming language and environment for the visual arts.

Reas recently co-wrote and designed the book 10 PRINT CHR\$(205.5+RND(1)); : GOTO 10 (MIT Press, 2013). Reas and Fry published Processing: A Programming Handbook for Visual Designers and Artists, a comprehensive introduction to programming within the context of visual media (MIT Press, 2007). With Chandler McWilliams and Lust, Reas published Form+Code in Design, Art, and Architecture (Princeton Architectural Press, 2010), a non-technical introduction to the history, theory, and practice of software in the visual arts. Reas' Process Compendium 2004—2010 documents six years of his work exploring the phenomena of emergence through software.

KEYNOTE



Marc Fornes
THEVERYMANY™
Princeton University and Harvard GSD

Marc Fornes is a registered Architect DPLG and founder of THEVERYMANY™, a New York based studio engaging Art and Architecture through the filter of systematic research and development into applied Computer Science and Digital Fabrication.

His prototypical structures and unique organic environments are included within the permanent collections of the Centre Pompidou, the FRAC Centre and the CNAP. He has been exhibited at institutions worldwide including the Guggenheim ("into the void") and sold work at Art Basel Miami/GGG, Art Paris, Phillips de Pury and Sotherby's.

Marc is a TED Fellow. He was artist in residence at the Atelier Alexander Calder (2012). His pop up store for Louis Vuitton & Yayoi Kusama is the very first carbon fiber self-supported shell structure applied to architecture and was awarded an A+ Jury Award as well as the 40th Annual Interior Design Award by the IIDA. His practice was also awarded New Practices New York by the AIA (2012), the Architectural League Prize (2013), Design Vanguard by Architectural Record (2013) and the WAN 21 for 21 Award.

Marc's on going involvement with academia includes co-starting with Francois Roche (n)Certainties, a graduate studio mixing custom computational protocols with open ended narratives, at Columbia University, the University of Southern California and Die Angewandte in Vienna. He is currently teaching at Princeton University and with Patrik Schumacher at Harvard GSD.

Marc Fornes is a registered Architect DPLG and founder of THEVERYMANYTM, a New York based studio engaging Art and Architecture through the filter of systematic research and development into applied Computer Science and Digital Fabrication.

His prototypical structures and unique organic environments are included within the permanent collections of the Centre Pompidou, the FRAC Centre and the CNAP. He has been exhibited at institutions worldwide including the Guggenheim ("into the void") and sold work at Art Basel Miami/GGG, Art Paris, Phillips de Pury and Sotherby's.

Marc is a TED Fellow. He was artist in residence at the Atelier Alexander Calder (2012). His pop up store for Louis Vuitton & Yayoi Kusama is the very first carbon fiber self-supported shell structure applied to architecture and was awarded an A+ Jury Award as well as the 40th Annual Interior Design Award by the IIDA. His practice was also awarded New Practices New York by the AIA (2012), the Architectural League Prize (2013), Design Vanguard by Architectural Record (2013) and the WAN 21 for 21 Award.

Marc's on going involvement with academia includes co-starting with Francois Roche (n)Certainties, a graduate studio mixing custom computational protocols with open ended narratives, at Columbia University, the University of Southern California and Die Angewandte in Vienna. He is currently teaching at Princeton University and Harvard GSD with Patrik Schumacher.

KEYNOTE



Greg OttoWalter P Moore

Greg Otto is a Principal for Walter P Moore and Associates, Inc. and the Managing Director of its Los Angeles office. Mr. Otto holds degrees in both architecture and engineering. With over 19 years of combined experience, he has been strategically focused on collaboration between the two disciplines and the potential for innovations that such working can bring.

Greg is a creative thinker and collaborator, who is confident to work beyond discipline silos. He holds a strong belief that the best solutions are found across multiple technical disciplines and is committed to provide the necessary leadership to bring the best out of multi-disciplinary teams.

Mr. Otto brings a wealth of specialist knowledge in the areas of geometrically complex, spatial structures; tensioned fabric and membrane structures; architectural façade systems and specialty construction (materials). Greg is an innovator and has led the charge to integrate digital tools into our workflow (particularly as it relates to these specialist areas) to enhance our engineering capabilities and seek out innovation. His portfolio of work ranges from small, art-centric projects to large scale stadia and airport projects, with the common denominator being the tight integration of design and engineering.

Greg is active in academia and regularly teaches at some of the most prominent universities in the United States. His focus has been to bring contemporary practice related topics to students and leverage the classroom as a laboratory to explore alternatives and seek out innovation. The result of this effort is a reciprocal exchange between practice and the academy, benefiting the students, advancing our practice and elevating the collective discourse on collaborative, multi-disciplinary working and innovation. For our firm, his academic ties, desire to link research to practice and commitment to innovating make his leadership inspirational and drive his team to some of our most creative and innovative solutions.

AWARD & KEYNOTE

2014 ACADIA LIFETIME ACHIEVEMENT AWARD



Zaha HadidUniversity of California, Los Angeles
Co-Creator of Processing

Zaha Hadid, founder of Zaha Hadid Architects, was awarded the Pritzker Architecture Prize (considered to be the Nobel Prize of architecture) in 2004 and is internationally known for her built, theoretical and academic work. Each of her dynamic and pioneering projects builds on over thirty years of exploration and research in the interrelated fields of urbanism, architecture and design. Born in Baghdad, Iraq in 1950, Hadid studied mathematics at the American University of Beirut before moving to London in 1972 to attend the Architectural Association (AA) School where she was awarded the Diploma Prize in 1977. She founded Zaha Hadid Architects in 1979 and completed her first building, the Vitra Fire Station, Germany in 1993. Hadid taught at the AA School until 1987 and has since held numerous chairs and guest professorships at universities around the world. She is currently a professor at the University of Applied Arts in Vienna and visiting professor of Architectural Design at Yale University. Working with senior office partner, Patrik Schumacher, Hadid's interest lies in the rigorous interface between architecture, landscape, and geology as her practice integrates natural topography and human-made systems, leading to innovation with new technologies. The MAXXI: National Museum of 21st Century Arts in Rome, the London Aquatics Centre for the 2012 Olympic Games, and Heydar Aliyev Centre in Baku are built manifestos of Hadid's quest for complex, fluid space. Previous seminal buildings such as the Rosenthal Center for Contemporary Art in Cincinnati and the Guangzhou Opera House in China have also been hailed as architecture that transforms our ideas of the future with new spatial concepts and dynamic, visionary forms. Zaha Hadid Architects continues to be a global leader in pioneering research and



Image credit: Jacopo Spilimbergo



Image credit: Hufton and Crow

design investigation. Collaborations with corporations that lead their industries have advanced the practice's diversity and knowledge, whilst the implementation of state-of-the-art technologies have aided the realization of fluid and therefore complex architectural structures. Currently Zaha Hadid Architects is working on a multitude of projects worldwide including: the High-Speed Train Station in Naples; the CityLife masterplan and tower in Milan; the Grand Theatre in Rabat and the New National Stadium in Tokyo, as well as major master-planning projects in Beijing, Bilbao, Istanbul and Singapore. ZHA's portfolio also includes cultural, corporate, academic, sporting and infrastructure projects across Asia, the Middle East, Europe and North and South America, in addition to national institutions such as the new Central Bank of Iraq Headquarters. Zaha Hadid Architects' work of the past 30 years was the subject of critically-acclaimed exhibitions at New York's Solomon R. Guggenheim Museum in 2006, London's Design Museum in 2007, the Palazzo della Ragione, Padua, Italy in 2009, the Philadelphia Museum of Art in 2011 and the Danish Architecture Centre in 2013. Her recently completed projects include the Heydar Aliyev Centre in Baku (2013), Serpentine Sackler Gallery in London (2013), Library & Learning Centre in Vienna (2013), Eli & Edythe Broad Art Museum in Michigan (2012), Galaxy SOHO in Beijing (2012), Pierresvives Library and Archive in Montpellier (2012), CMA CGM Head Office Tower in Marseille (2011), London Aquatics Centre (2011), Riverside Museum in Glasgow (2011), Guangzhou Opera House (2010), Sheikh Zayed Bridge in Abu Dhabi (2010) and MAXXI Museum in Rome (2010). Hadid's outstanding contribution to the ar-

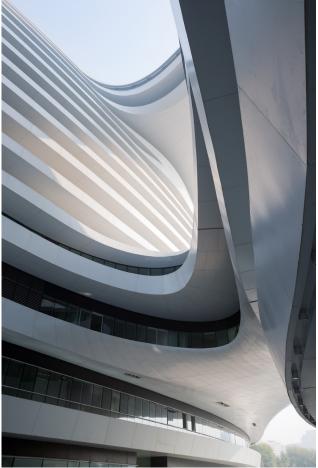


Image credit: Iwan Baan



Image credit: Iwan Baan

chitectural profession continues to be acknowledged by the world's most respected institutions including the Forbes List of the World's Most Powerful Women and the Japan Art Association presenting her with the 'Praemium Imperiale'. In 2010 and 2011, her designs were awarded the Stirling Prize, one of architecture's highest accolades, by the Royal Institute of British Architects. Other recent awards include UNESCO naming Hadid as an 'Artist for Peace', the Republic of France honouring Hadid with the 'Commandeur de l'Ordre des Arts et des Lettres', TIME magazine included her in their list of the '100 Most Influential People in the World' and in 2012, Zaha Hadid was made a Dame Commander of the Order of the British Empire by Queen Elizabeth II.

AWARD2014 ACADIA AWARD OF TEACHING EXCELLENCE



Neil GershenfeldDirector of MIT's Center for Bits and Atoms

Prof. Neil Gershenfeld is the Director of MIT's Center for Bits and Atoms. His unique laboratory is breaking down boundaries between the digital and physical worlds, from creating molecular quantum computers to virtuosic musical instruments. Technology from his lab has been seen and used in settings including New York's Museum of Modern Art and rural Indian villages, the White House and the World Economic Forum, inner-city community centers and automobile safety systems. Las Vegas shows and Sami herds. He is the author of numerous technical publications, patents, and books including Fab, When Things Start To Think, The Nature of Mathematical Modeling, and The Physics of Information Technology, and has been featured in media such as The New York Times, The Economist, NPR, CNN, and PBS. He is a Fellow of the American Physical Society, has been named one of Scientific American's 50 leaders in science and technology, as one of 40 Modern-Day Leonardos by the Museum of Science and Industry, one of Popular Mechanic's 25 Makers, has been selected as a CNN/ Time/Fortune Principal Voice, and by Prospect/Foreign Policy as one of the top 100 public intellectuals. Dr. Gershenfeld has a BA in Physics with High Honors from Swarthmore College, a Ph.D. in Applied Physics from Cornell University, honorary doctorates from Swarthmore College and Strathclyde University, was a Junior Fellow of the Harvard University Society of Fellows, and a member of the research staff at Bell Labs.

Research advances by Dr. Gershenfeld and his students and colleagues working at the boundary between physical science and computer science include: one of the first complete quan-

tum computations, using nuclear spins in molecules; microfluidic bubble logic, with bits that transport materials as well as information; physical one-way cryptographic functions, implemented by mesoscopic light scattering; noise-locked loops that entrain on codes, which led to analog logic integrated circuits that use continuous device dynamics to solve digital problems; asynchronous logic automata to align hardware with software; Internet 0 for interdevice internetworking; microslot probes for ultra-small-sample structural studies; integrated 6-axis inertial measurement based on the dynamics of trapped particles; charge source tomography for electric field imaging and intrabody signaling; electropermanent actuators for high torque at low RPM with static holding; and additive assembly of functional digital materials that can be used in ultralight structures.

He is the originator of the growing global network of field fab labs that provide widespread access to prototype tools for personal fabrication, and directs the Fab Academy, the associated program for distributed research and education in the principles and practices of digital fabrication.

He has done keynote presentations for events including TED, EDUCAUSE, the ACM/IEEE Conference on Supercomputing, IEDM, NSF, the Library of Congress, the White House, Etech, APMM, Nano-Nets, NIP, and PICNIC.

He's played the bassoon, ski patrolled and raced, and swam competitively.

AWARD

2014 ACADIA DIGITAL PRACTICE AWARD OF EXCELLENCE



Jenny Sabin
Cornell University
College of Architecture, Art, and Planning

Jenny Sabin's work is at the forefront of a new direction for 21st century architectural practice — one that investigates the intersections of architecture and science, and applies insights and theories from biology and mathematics to the design of material structures. Sabin is Assistant Professor in the area of Design and Emerging Technologies in the Department of Architecture at Cornell University. She is principal of Jenny Sabin Studio, an experimental architectural design studio based in Philadelphia and Director of the Sabin Design Lab at Cornell AAP, a hybrid research and design unit with specialization in computational design, data visualization and digital fabrication. Sabin's clients and funders include companies and foundations such as Nike Inc., the National Science Foundation, the American Philosophical Society Museum, the Exploratorium and the Frac Centre. She is co-founder of LabStudio, a hybrid research and design network, together with Peter Lloyd Jones. Sabin holds degrees in ceramics and interdisciplinary visual art from the University of Washington and a master of architecture from the University of Pennsylvania where was awarded the AIA Henry Adams first prize medal and the Arthur Spayd Brooke gold medal for distinguished work in architectural design, 2005. Sabin was awarded a Pew Fellowship in the Arts 2010 and was named a USA Knight Fellow in Architecture, 1 of 50 artists and designers awarded nationally by US Artists. She was recently awarded the prestigious Architectural League Prize for Young Architects by the Architectural League of New York. She has exhibited nationally and internationally most recently at Nike Stadium NYC, the American Philosophical Society Museum and at Ars Electronic, Linz, Austria. Her

work was recently exhibited in the internationally acclaimed 9th ArchiLab titled Naturalizing Architecture at FRAC Centre, Orleans, France. Her work has been published extensively including in The Architectural Review, Azure, A+U, Mark Magazine, 306090, 10+1, ACM, American Journal of Pathology, Science, the New York Times, Wired Magazine and various exhibition catalogues and reviews. She co-authored Meander, Variegating Architecture with Ferda Kolatan.

AWARD2014 ACADIA SOCIETY AWARD OF EXCELLENCE



Nancy Yen-wen Cheng
Associate Professor, University of Oregon

Associate Professor Nancy Yen-wen Cheng, RA, LEED AP teaches sustainable architectural design and digital methods at the University of Oregon, where she directed the Architecture Department's Portland Program 2009-2013. Interest in how individuals think and interact has driven her design research and teaching. She studies how tools and approaches shape the design process, focusing on digital technology as a nexus for innovation and cultural change. She is interested in maximizing creative engagement through tactile processes such as sketching and material manipulation, then refining ideas through computation.

To research the physical-digital design process, she has been focusing on light and shadow. Her Shaping Light project explores how shading devices with undulating surfaces can block heat and glare while using the sun's movement to create dynamic visual interest. As a Visiting Associate Professor at the RMIT University in Melbourne (Spring 2014), she collaborated with the Spatial Information Architecture Lab to examine the cooling potential of folding surfaces using parametric design, solar simulation and digital fabrication. While on sabbatical 2013-14, she gave lectures and workshops in China, India, Australia and Germany, supervising students to create two light and shadow installations for the Wuhan 403 International Arts Center.

In an earlier study of drawing as a source of insight into the conceptual design process, Cheng used a digital pen that stores animations to reveal processes of abstraction, speculation and decision-making. She has presented the progress of her Digital Sketching project in the International Journal of

Architectural Computing and at conferences abroad. She has also conducted workshops on digital sketching for universities and for professional organizations on design communication. This project, which grew out of an earlier investigation of ways to gather, analyze, and represent ideas about place, was awarded competitive grants from the Northwest Academic Computing Consortium, Logitech Corporation, and Intel's Research and Development Arts and Entertainment Division.

She has used online technology to bring in global experts, to strengthen the local learning community and connect to remote clients. From 2008-2011, UO Academic Affairs supported her work with Business, Arts Administration and Education colleagues and the Inter/National Coalition for Electronic Portfolio Research on using Web 2.0 tools to support the development of student reflection, collaboration and communication skills. A complement to online partnerships, Cheng has organized and directed global study programs in Shanghai, Rome, and Hong Kong.

Before joining the faculty at the University of Oregon, Cheng held posts as a visiting scholar at the Massachusetts Institute of Technology and a lecturer at the University of Hong Kong, where she received research support for projects exploring spatial visualization. She also worked for a decade for architecture firms in Massachusetts, including Kallmann McKinnell & Wood Architects, Tams Consultants, Inc., CBT, Inc., Graham/ Meus Inc., and Raphael Moneo & Associates. Cheng activities as a designer include a series of lighting installations and collaboration on a design competition entry that was awarded a Gold Medal for Environmental Sensitivity in 2000.

Cheng has been the President of the Association of Computer Aided Design in Architecture (ACADIA) from 2009-2011 and chaired the national AlA's Technology In Architectural Practice knowledge community. She has guest-edited three issues of the International Journal of Architectural Computing and cochaired the AIA-TAP/ACADIA 2004 Conference on Fabrication. She has served on the ACADIA Steering Commmittee and research review committees for ACADIA (North American), CAADRIA (Asian), ECAADE (European), SiGRADi, ASCAAD (Arab) computer-aided architectural design groups, and the Association of Collegiate Schools of Architecture. She has also served on the jury of the Far Eastern International Digital Architectural Design award for several years and has acted as a grant reviewer for the Hong Kong Research Grants Council and the American Association for the Advancement of Science. As a double major in Architecture and Mechanical Engineering, she graduated with honors from Yale University, and then received her M.Arch. from Harvard Graduate School of Design where was a teaching assistant for William J. Mitchell.

AWARD

2014 ACADIA INNOVATIVE RESEARCH AWARD OF EXCELLENCE



Martin Bechthold

Director Harvard Graduate School of Design - Technology Platform

Martin Bechthold is Professor of Architectural Technology at the Graduate School of Design (Harvard University), director of the Material Processes and Systems Group, and director of the GSD's Doctor of Design Program. Bechthold's interdisciplinary research on material systems investigates and develops novel strategies and solutions for construction at multiple scales. Current projects explore design robotics and strategic customization for architectural ceramics, and contribute to integrating questions of life cycle design into sustainable building design. He co-leads the interdisciplinary Adaptive Living Environments (ALivE) group, a research collaboration between the Harvard Graduate School of Design and scientist from the Wyss Center for Biologically Inspired Engineering. The group is developing new adaptive material systems based on nano-technologies. Recent work has led to several inventions and publications of novel material systems focused on enhancing building performance and occupant's experiences. The Wyss Institute recently appointed Bechthold as Associate Faculty

Bechthold is the co-author of "Structures" and "Computer-Aided Design and Manufacturing" as well as the author of "Innovative Surface Structures", a book that addresses the increasing conflation of structural design and digital fabrication techniques through the microcosm of thin shells and membranes. His forthcoming book will be the first comprehensive review of innovation in ceramic construction systems. Bechthold holds a doctor of design degree from Harvard University, and a Diplom-Ingenieur in Architecture degree from the RWTH Aachen, Germany.

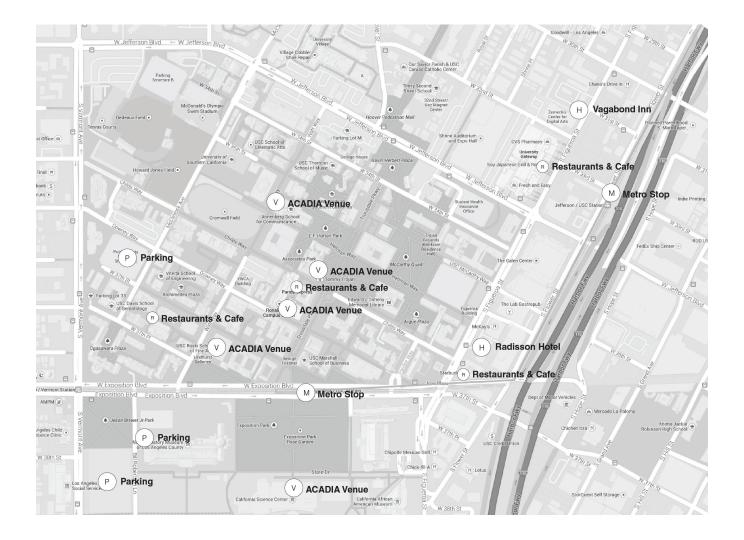
AWARD 2014 ACADIA INNOVATIVE ACADEMIC PROGRAM AWARD OF EXCELLENCE



Scott R. Marble
Director of Integrated Design Graduate School of Architecture,
Planning and Preservation, Columbia University

Scott Marble is a founding partner of Marble Fairbanks and a faculty member at the Co-lumbia University Graduate School of Architecture, Planning, and Preservation (GSAPP). He is the Director of Integrated Design at the GSAPP and is currently Director of the Integrated Design Studios for The Columbia Building Intelligence Project (CBIP). The work of Marble Fairbanks is widely published internationally, has received numerous design awards and is part of the permanent collection of the Museum of Modern Art in New York. In 2008, the MoMA commissioned their project, Flatform for the exhibition Home Delivery: Fabricating the Modern Dwelling. Their most recently completed project, Glen Oaks Library, was selected as both the Public Choice and the Editor's Choice for American-Architects Building of the Year 2013. Scott recently completed a new book, Digital Workflows in Architecture: Design / Assembly / Industry published by Birkhäuser.

LOCAL INFO



LOCAL INFO

HOTFI S

Registrants are responsible for booking their rooms individually. Please refer to the hotel websites for cancellation policies and other information.

Radisson Midtown USC

3540 South Figueroa Street, Los Angeles, CA 90007 Distance from conference: 0.4 miles (8 min walk)

Phone: 1-800-333-3333

Vagabond Inn at USC

3101 South Figueroa Street, Los Angeles, CA 90007 Distance from conference: 0.7 miles (14 min walk)

Phone: 213-746-1531

ACE Hotel Downtown LA

929 South Broadway, Los Angeles, CA 90015

Distance from conference: 2.8 miles (14 min walk to Pico Metro

Station - 3 stops from USC) Phone: 213-842-3579

Standard Downtown LA

550 South Flower, Los Angeles, CA 90071

Distance from conference: 3.3 miles (3 min walk to 7th St. Metro

Station - 4 stops from USC) Phone: 213-892-8080

USC

USC School of Architecture USC, School of Architecture Watt Hall Los Angeles, California 90089-0291 (213) 740-2723

FAX (213) 740-8884

TAXI

use Uber app

AIRPORT TRANSPORTATION

super Shuttle 1-800-258-3826

RECOMMENDED RESTAURANTS IN DTI A

Bottega Louie 700 S Grand Ave Los Angeles, CA 90017

Mo Chica 514 W 7th St

Los Angeles, CA 90014

Baco Mercat 408 S Main St

Los Angeles, CA 90013

Maccheroni Republic 332 S Broadway Los Angeles, CA 90013

LOS ANGELES, CA 90012 RECOMMENDED ARCHITECTURAL SIGHTS IN DTLA

Walt Disney Concert Hall by Frank Gehry 111 S Grand Ave, Los Angeles, CA 90012

Caltrans Building by Morphosis 100 S Main St, Los Angeles, CA 90012

Cathedral of Our Lady of the Angels by Raphael Moneo 555 W Temple St, Los Angeles, CA 90012

High School #9 by Coop Himmelb(I)au 50 N Grand Ave, Los Angeles, CA 90012

Bradbury Building by George Wyman 304 S Broadway, Los Angeles, CA 90013

Inner City Arts by Michael Maltzan 720 Kohler St, Los Angeles, CA 90021

Millennium Biltmore Hotel by John Portman 506 S Grand Ave, Los Angeles, CA 90071

ABOUT ACADIA

ACADIA MISSION

ACADIA is an international network of digital design researchers and professionals. We facilitate critical investigations into the role of computation in architecture, planning, and building science, encouraging innovation in design creativity, sustainability, and education.

ACADIA MEMBERSHIP

ACADIA is a community and we rely on the support and participation of our members to thrive. As a member of the ACADIA, you gain access to a large network of experts throughout the world and the innovative research they have produced through papers and projects.

ACADIA ACTIVITIES

Conferences

ACADIA holds an annual conference each year in North America in conjunction with a host university. The conference brings together the top experts in the field of design computing for peer-reviewed presentations of papers, projects and special exhibitions. In addition, workshops related to various innovative design softwares and techniques are held prior to the annual conference. In 2011, ACADIA began supporting regional conferences. Click here for more information on past conferences or information on hosting a future conference.

Awards, Grants, and Scholarships

Inaugurated in 1998, the ACADIA Award of Excellence represents recognition, by colleagues worldwide, of consistent contributions and impact on the field of architectural computing. There are several categories of awards covering emerging practice, research, teaching, academic programs, and service to the community. ACADIA also awards grants to help support innovative research within the field and scholarships for students. Click here to learn more about our Awards, Grants, and Scholarships.

Publications

Each year ACADIA publishes Proceedings from the annual conference. These publications gather together the most innovative research papers and projects from the design computation community. In addition, ACADIA is one of the four founding organizations that support the International Journal of Architectural Computing (IJAC).

Website

The ACADIA website serves as the central hub of the community. Members are encouraged to post News , Papers , and Projects. In addition, ACADIA produces a series of online Features on a range of topics of interest to the design computing community.

ACADIA History

ACADIA was founded in 1981 by some of the pioneers in the field of design computation including Bill Mitchell, Chuck Eastman, and Chris Yessios (see full list of founders in the Bylaws section 1.2). Since then, ACADIA has hosted over 30 conferences across North America and has grown into a strong network of academics and professionals in the design computation field.

ACADIA ORGANIZATION

PRESIDENT AND VICE-PRESIDENT

President

Michael Fox

pres@acadia.org

Vice President (President-elect)

Aron Temkin

vp@acadia.org

APPOINTED OFFICERS

Secretary

Greg Luhan

secretary@acadia.org

Treasurer

Michael Christenson

treasurer@acadia.org

Membership Officer

Wei Yan

membership@acadia.org

Communications Officer

David Celento

news@acadia.org

Website Officer

Andrew Kudless

webmaster@acadia.org

BOARD OF DIRECTORS

Class of 2013 (Jan 2014 - Dec 2015)

Sean Ahlquist, University of Michigan

Gil Akos, Mode Lab

Brad Bell, University of Texas, Arlington

Jason Kelly Johnson, California College of the Arts

Andy Payne, Harvard University

Danelle Briscoe (alternate), University of Texas, Austin

Wes McGee (alternate), University of Michigan

Lira Nikolovska (alternate), Autodesk

Class of 2012 (Oct 2012 - Oct 2014)

David Celento, DigiFabLab

Michael Fox, Cal Poly Pomona

Omar Khan, University of Buffalo Greg Luhan, University of Kentucky

Wei Yan, Texas A & M

David Gerber (alternate), University of Southern California

Jason Kelly Johnson (alternate), California College of the Arts

Brian Lockyear (alternate), University of Oregon

FLECTIONS COMMITTEE

Brad Bell, (chair) Aron Temkin Wei Yan

WEBSITE REVISION

Andrew Kudless, (chair)

PEER REVIEW BOARD

Emily Abruzzo Yale School of Architecture, Parsons the New School for Design, Pratt Institute, United States of America

Sean Ahlquist University of Michigan, United States of America **Chandler Ahrens** Washington University,

United States of America

Gil Akos Pratt Institute, United States of America

Anas Alfaris Massachusetts Institute of Technology,

United States of America

Volkan Alkanoglu Georgia Institute of Technology,

United States of America

Jason Anderson California College of the Arts

United States of America

Alisa Andrasek The Bartlett - University College London,

The European Graduate School, Biothing, United Kingdom

Phillip Anzalone Columbia University, United States of America

German Aparicio California College of the Arts,

United States of America

Carlos Barrios Clemson University, United States of America

Mirco Becker Staedelschule - Architecture and Performative Design, Germany

Philip Beesley University of Waterloo, Canada

Shajay Bhooshan Architectural Association School of

Architecture, ZHA CODE, United Kingdom

Kory Bieg Texas A&M University, United States of America

Biayna Bogosian University of Southern California,

United States of America

Gail Borden University of Southern California,

United States of America

Bell Bradley University of Texas Arlington,

United States of America

Johannes Braumann Association for Robots in Architecture

Sigrid Brell-Cokcan Association for Robots in Architecture

Danelle Briscoe University of Texas at Austin.

United States of America

Nathan Brown California College for the Arts,

United States of America

Brennan Buck Yale School of Architecture,

United States of America

Jane Burry RMIT University, Australia

Mark Burry RMIT University, Australia

Mark Cabrinha California Polytechnic State Universtiy, San Luis

Obispo, United States of America

Luisa Caldas University of California Berkeley, United States of America

Bradley Cantrell Harvard Graduate School of Design, United

States of America

Jason Carlow The University of Hong Kong, China

Anders Carlson University of Southern California,

United States of America

David Celento DigiFabLab

Robert Cervellione Pratt Institute, United States of America

Yichao Chen

Mike Christenson North Dakota State University,

United States of America

Angelos Chronis Foster and Partners, University College London

United Kingdom

Jeroen Coenders White Lioness technologies

Marjan Colletti The Bartlett - University College London,

United Kingdom

Demetrios Comodromos Rensselaer Polytechnic Institute,

United States of America

Jean-Michel Crettaz Southern California Institute of Architecture

United States of America

Kristof Crolla The Chinese University of Hong Kong

Hong Kong, China

Jason Crow McGill University, Canada

Mahesh Daas Ball State University, United States of America

Daniel David Davis Partnership Architects

Xavier De Kestelier The Bartlett - University College London,

Foster & Partners, United Kingdom

Martina Decker NJIT - College of Architecture and Design,

United States of America

Matias Del Campo University of Michigan,

United States of America

Marcella Del Signore Tulane School of Architecture,

United States of America

Susannah Dickinson University of Arizona,

United States of America

Justin Diles Ohio State University,

United States of America

Mark Donohue California College of the Arts,

United States of America

Christina Doumpioti Architectural Association, United Kingdom

Jefferson Ellinger University of North Carolina, Charlotte,

United States of America

Halil Erhan Simon Fraser University, Canada

Gabriel Esquivel Texas A&M University, United States of America

Gustav Fagerstrom Buro Happold, United States of America

Alex Ferguson Alex Ferguson Architects

Forest Flager Stanford University, United States of America

Wendy W Fok Harvard Graduate School of Design, Gerald D Hines College of Architecture, United States of America

Michael Fox California State Polytechnic University Pamona United States of America

Luis Fraguada Institute of Advanced Architecture Barcelona,

David Freeland Southern California Institute of Architecture United States of America

Alan Fung

Tyler Garass CORE10 Architecture United States of America **David Gerber** University of Southern California,

United States of America

Ruairi Glynn The Bartlett - University College London, United Kingdom

Rhys Goldstein Autodesk, United States of America

Marcelyn Gow Southern California Institute of Architecture,

United States of America

Fabio Gramazio ETH Zurich, Switzerland

Yasha Grobman Israel Institute of Technology, Israel

Ipek Gursel Dino Middle East Technical University, Turkey

Maria Paz Gutierrez University of California Berkeley,

United States of America

Sean Hanna University College London, United Kingdom

Michael Hansmeyer ETH Zurich, Switzerland

Andrew Heumann Cornell University, United States of America

Alvin Huang University of Southern California, Synthesis Design

+ Architecture, United States of America

Jie-Eun Hwang

Yasushi Ikeda ETH Zurich, Switzerland

Chikara Inamura Architectural Association School for

Architecture, United Kingdom

Wassim Jabi Cardiff University, United Kingdom

Jason Scott Johnson

Jason Kelly Johnson California College of the Arts, United States of America

Katrin Jonas The Bartlett University College London,

United Kingdom

Nathaniel Jones Massachusetts Institute of Technology,

United States of America

Karen Kensek University of Southern California,

United States of America

Ian Keough Keogh Consultancy

Omar Khan University of Buffalo, SUNY, United States of America

Kiduck Kim University of California, Los Angeles,

United States of America

Joy Ko Rhode Island School of Design, United States of America

Yoshihiro Kobayashi Arizona State University,

United States of America

Branko Kolarevic University of Calgary, Canada

Nicole Koltick Drexel University, United States of America

Kyle Konis University of Southern California,

United States of America

Jose Kos Universidade Federal de Santa Catarina, Brazil

Robert Krawczyk Illinois Institute of Technology, Architecture

United States of America

Manuel Kretzer ETH Zurich, Switzerland

Bess Krietemeyer Syracuse University, United States of America

Andrew Kudless California College of the Arts,

United States of America

Stephen Lewis Walter P. Moore, United States of America

Rob Ley University of Southern California,

United States of America

Brian Lockyear Gnarly Architecture

Russell Loveridge Swiss National Centre of Competence in

Research (NCCR) in Digital Fabrication

Gregory Luhan University of Kentuky

United States of America **Greg Lynn** University of Applied Arts Vienna, University of

California Los Angeles Austria/United States of America

Arthur Mamou-Mani Mamou-Mani Itd.

Elena Manferdini Southern California Institute of Architecture

Adam Marcus Yale University, United States of America

Scrap MarshallArchitectural Association, England

America

United States of America

Tyrone Marshall

Bob Martens Vienna University of Technology, Austria **Iain Maxwell** University of Technology, Sydney, Australia

Wes Mcgee University of Southern California, United States of

Mark Meagher University of Sheffield, United Kingdom

Matthew Melnyk Southern California Institute of Architecture

United States of America

Design, Germany

Achim Menges University of Stuttgart, Institute for Computational

Annalisa Meyboom University of British Columbia, Canada

Kyle Miller Syracuse University, United States of America **Kiel Moe** Harvard Graduate School of Design,

United States of America

Volker Mueller Bentley Systems, United States of America

Kris Mun University of Southern California.

United States of America

Eduardo Sampaio Nardelli Universidad Nacional de Mar del Plata Argentina

Oliver Neumann University of British Columbia Canada **Rashida Ng** Temple University, United States of America

Ted Ngai Rensselaer Polytechnic Institute,

United States of America

Paul Nicholas Kunstakademiets Arkitektskole, mesne design studio, Denmark

Lira Nikolovska Autodesk, United States of America

Douglas Noble University of Southern California,

United States of America

Carlos Olguin Autodesk Research, United States of America

Rivka Oxman Technion University, Israel

Guvenc Ozel UCLA Department of Architecture and Urban Design United States of America

Mine Ozkar Istanbul Technical University. Turkey

Murali Paranandi Miami University, United States of America

Hyoung-June Park University of Hawai'i at Manoa,

United States of America

Kat Park SOM, United States of America

Vera Parlac University of Calgary, Canada

Andy Payne Harvard Graduate School of Design ,

United States of America

Santiago Perez University of Arkansas Fay Jones School of Architecture, United States of America

Brady Peters Kunstakademiets Arkitektskole, Denmark

Brady Peters Kunstakademiets Arkitektskole, Denmark

Dave Pigram University of Technology, Sydney Austrilia

Daniel Piker Foster and Partners, United Kingdom

Nick Pisca Gehry Technologies, United States of America

Marco Poletto The Bartlett University College London,

United Kingdom

Jeff Ponitz California Polytechnic State University,

United States of America

Clemens Preisinger Karamba 3D, Bollinger Grohman

Brian Price Price Studio, California College of the Arts,

United States of America

Nicholas Puckett OCAD University, AltN Research, Canada

David Reeves

Andrew Rice Dyson

Benjamin Rice California College of the Arts,

United States of America

Gernot Riether Ball State, United States of America

Heather Roberge UCLA Department of Architecture and Urban

Design, murmur, United States of America

Alexander Robinson University of Southern California,

United States of America

Christopher Romano University at Buffalo, State University of

New York, United States of America

David Rutten Delft University of Technology, Netherlands

Jenny Sabin Cornell University, United States of America

Jose Sanchez University of Southern California, Plethora Project United States of America

Andrew Saunders Rensselaer Polytechnic Institute

United States of America

David Scheer Autodesk, United States of America

Axel Schmitzberger California State Polytechinic University

Pamona, United States of America

Marc Aurel Schnabel The Chinese University of Hong Kong

Hong Kong, China

Tobias Schwinn University of Stuttgart, Germany

EMyles Sciotto University of Southern California,

United States of America

Ian Smith

José Pedro Sousa University of Porto, Portugal

Aaron Sprecher McGill University, Canada

David Stasiuk Center for Information Technology and Architecture

Milena Stavric Graz University of Technology, Austria

Kyle Steinfeld UC Berkeley College of Environmental Design

United States of America

Rudi Stouffs Delft University of Technology, Netherlands

Rob Stuart-Smith Robert Stuart-Smith Design Ltd,

United Kingdom

Satoru Sugihara Southern California Institute of Architecture

United States of America

Marc Swackhamer University of Minnesota

United States of America

Marc Swackhamer University of Minnesota

United States of America

Asbjørn Søndergaard Aarhus School of Architecture, Denmark

Martin Tamke Center of Information Technology and Architecture,

The Royal Academy of Fine Arts CPH, Denmark

Joshua Taron University of Calgary, Canada

Aaron Temkin Norwich University, United States of America

Alex Tessier Autodesk Research, United States of America

Peter Testa Southern California Institute of Architecture,

United States of America

Mette Thomsen University College London,

United Kingdom

Skylar Tibbits MIT Self-ASSEMBLY Lab, United States of America

Ken Tracy American University of Sharjah, United Arab Emirates

Robert Trempe Tyler School of Art, United States of America

Carmen Trudell Cal Poly State University,

United States of America

Bige Tuncer Singapore University of Technology and

Design(SUTD) Assistant Professor at Delf University of Techology Singapore

Michela Turrin Delft University of Technology, Netherlands

Jeroen Van Ameijde Architectural Association, United Kingdom

Marco Vanucci Architectural Association, United Kingdom

Tom Verebes The University of Hong Kong, Hong Kong, China

Joshua Vermillion Ball State University, Canada

Peter Von Buelow University of Michigan,

United States of America

Andrew Vrana University of Houston; TEX-FAB

United States of America

Ingalill Wahlroos-Ritter Woodbury University

United States of America

Alex Webb University of New Mexico, United States of America

Emily White Southern California Institute of Architecture,

United States of America

Shane Williamson University of Toronto, Canada

Andrew Witt Harvard Graduate School of Design,

United States of America

Robert Woodbury Simon Fraser University, Canada

Wei Yan Texas A&M University, United States of America

Shai Yeshayahu Southern Illinois University Carbondale

United States of America

Joshua Zabel Kreysler & Associates, United States of America

Andrzej Zarzycki New Jersey Institute of Technology,

United States of America

VOLUNTEERS

UNIVERSITY OF SOUTHERN CALIFORNIA

Volunteer Coordinator

Mouna Lawrence

Volunteers

Avram Winston Ian Nally Anran Li Cindy Yiin

Rebecca Ruppert Andy Chau

Sarah Guan Joanna Ma Leo Lopez

Maggie McMahon

Michael Jennings Danielle Quade

Gentaro Makinoda Eduardo Oliveira

Yiting Ma
Yuan Zhuang

Suyang Ling Kaining Li

Siyu Cui Hanze Yu Laura Vazgue

Laura Vazquez Joshua Dawson

Daqian Cao

Austin Pollard

Olivia Tirado Vasquez

Daniel Aguilar Isabelle Hong Martin Castro Yan Liu

Assyl Orazaliyeva Kim Cheong Zi Wang Sarah Ladhani Alejandro Medina Elahe Ahmady Gabrielle O'Connor

Gabrielle O'Conn Yingyin Mo Doris Duanmnu John Hernandez Alan Wang Belinda Pak Grace Yu Yijia Fan Chongxian Chen

Sebanti Banerjee Tianyi Hao Nilgoon Fatehi Tom Sears

Diana Khotimskaya Kelly Burkhart

CONFERENCE MANAGEMENT & PRODUCTION CREDITS

UNIVERSITY OF SOUTHERN CALIFORNIA

Edit and Design Team

Jose Sanchez David Gerber Alvin Huang

Student Collaborators

Luis Garcia Zoey Zhao Qingrao Yang Samantha Tak Sin Lee

Max Choi

Cover Graphics

Jose Sanchez

RIVERSIDE ARCHITECTURAL PRESS

Philip Beesley Publication Director Salvador Miranda Publication Manager Jonathan Gotfryd Publication Designer Mingyi Zhou Finance Manager

Graphic Design and Production Team

Vikrant Dasoar Sina Kia Faisal Kubba Jayne Miles Magdalena Milosz Robin Paxton-Beesley

Kristie Taylor-Muise

