ACADIA 2012
SYNTHETIC DIGITAL ECOLOGIES
SAN FRANCISCO // OCTOBER 18–21

Thursday October 18 (Location: UCSF)

9am	Registration [Shuttle Bus 01 – visit: http://2012.acadia.org/schedule.html for details]
10am	Brief Introductory Remarks
10am	SESSION 1: Performative Parametrics (mod. Kyle Steinfeld)
11:30pm	Coffee Break, sponsored by Bentley
11:45pm	PANEL 1: Software Futures Panel (mod. Nancy Cheng)
12:45	Box Lunch, sponsored by Bentley
1:30pm	SESSION 2: Material Intensities (mod. Mark Cabrinha)
3pm	Coffee Break, sponsored by Bentley
3:15pm	SESSION 3: Responsive Material Systems (mod. Thom Faulders)
5–6pm	KEYNOTE: Greg Lynn (The Kreysler Lecture)
6:30–8:30pm	Reception sponsored by Autodesk (1 Market Street: Light Rail (20 min) // Shuttle 02 – UCSF–Autodesk–Hotels)
8–10pm	ACADIA Board of Directors Dinner

Friday October 19 (Location: UCSF + Exhibition Opening @ CCA)

9:30am	Light Breakfast [Shuttle Bus 03 – visit: http://2012.acadia.org/schedule.html for details]
10am	SESSION 4: Robotic Constructions (mod. Bill Kreysler)
11:45am	Coffee Break, sponsored by Bentley
12:00pm	SESSION 5: Structural Formations (mod. Andrew Kudless)
1:45	Box Lunch + ACADIA Annual Meeting
3:00pm	KEYNOTE: Saul Griffith
3:45pm	SESSION 6: Energetic Assemblies (mod. Hugh Hynes)
5:30pm	Coffee Break, sponsored by Bentley
6–7pm	KEYNOTE: Achim Menges
7:15pm	"WILD CARDS" ACADIA EXHIBIT OPENING (CCA Nave), wine and appetizers sponsored by Form4Architecture
	(1111 8th Street: Walk to CCA (15 mins) // Shuttle 04 – UCSF – CCA – Hotels)

Saturday October 20 (Location: CCA)

Open Morning	SF Sightseeing // SFMOMA (Free Passes) + de Young Mus (Free Guided Tour) see website for details
11am	ACADIA Board of Directors Meeting (CCA Conf Room)
1 – 3pm	SESSION 7: Material Feedback (mod. Ron Rael, Nave)
1 – 3pm	SESSION 8: Dynamic Responses (mod. Nicholas DeMonchaux, Timken)
3pm	Coffee Break
3:30–5:45pm	SESSION 9: Performative Geometries (mod. Branko Kolarevic, Nave)
3:30 – 5pm	SESSION 10: Emerging Interfaces (mod. Yehuda Kalay, Timken)
5 – 5:45pm	PANEL 2: Data-Driven: Emerging Software Trajectories, AIA-TAP Panel (Timken)
6 – 7pm	KEYNOTE: Philip Beesley (Nave)
7pm	Cocktail Hour, Various Presentations (Nave) [Shuttle Bus 05]
7:30pm	Dinner Co-sponsored by AutoDesSys // ACADIA AWARDS // APPLIED Competition Winners Announced (Nave)

Sunday October 21 (Location: CCA)

8:30am	Workshop Registration [Shuttle Bus 06 – visit: http://2012.acadia.org/schedule.html for details]
9am	ACADIA Workshops Begin
10 – 11:45am	SESSION 11: Synthetic Optimizations (mod. David Gerber, Nave)
10 – 11:45am	SESSION 12: Collaborative Ecologies (mod. Nataly Gattegno, Timken)
12 – 1pm	KEYNOTE: Manuel De Landa (Nave)
1 pm	Closing Remarks
1 – 1:15pm	Box Lunch served to workshop participants
5:30pm	ACADIA Workshops End

SESSION 1: Performative Parametrics
softBIM: (Fagerström, Hoppermann, Almeida, Zangerl, Rocchetti, Van Berkel)
Progress Towards Multi-criteria Design Optimisation (Aish, Fisher, Joyce, Marsh)
Parallel Development of Parametric Design Models Using Subjunctive Dependency Graphs (Shireen, Erhan, Botta, Woodbury)
Project: Dynamic Support Steel + Connection Design Methods (Campbell, Comodromos, Stasiuk)
Synthesizing Design Performance (Gerber, Lin)

PANEL 1: Software Futures Panel (mod. Nancy Cheng)
Panelists: Robert Aish, Brian Lilley, Reg Prentice, Andrew Kudless

SESSION 2: Material Intensities
Graded Territories (Nicholas, Tamke, Thomsen, Jungjohann, Markov)
Generation and Integration of an Aerodynamic Performance Data Base (Menicovich, Gallardo, Bevilaqua, Vollen)
WIP: Material Intensities (Comodromos, Ellinger)
Project: Manta (Edwards, Belanger, Bernal, Ameres)
Ceramic Perspiration (Lilley, Hudson, Plucknett, Macdonald, Cheng, Nielsen, Nouska, Grinbergs, Andematten, Baumgardner, Blackman, Kennedy, Chatinthu, Tianchen, Sheng-Fu)

SESSION 3: Responsive Material Systems
Digital Steam Bending (Mankouche, Bard, Schulte)
Process through Practice (J.Burry, M.Burry, Tamke, Thomsen, Ayres, Pena de Leon, Davis, Deleuran, Nielson, Riiber)
WIP: Low Fidelity (Besler)
Project: Unnatural Materials (San Fratello, Rael)
Emergent Reefs (Erioli, Zomparelli)

SESSION 4: Robotic Constructions (mod. Bill Kreysler)
Machinic Morphospaces (Schwinn, Krieg, Menges, Mihaylov, Reichert)
In-Situ Robotic Construction (Helm, Ercan, Gramazlo, Kohler)
WIP: Digital Vernacular (Mei-Ling, Han, Kothapuram, Jiawei)
Project: Flowing Matter (Jyoti, Andreani, Garcia del Castillo, King, Bechthold)
Morphfaux (Mankouche, Bard, Schulte)

SESSION 5: Structural Formations (mod. Andrew Kudless)
Zero-Waste, Flat Packed, Tri-chord Truss (Beorkrem, Corte)
A Method for the Realization of Complex Concrete Gridshell Structures in Pre-cast Concrete (Larsen, Pedersen, Pigram)
WIP: Parametric Precast Concrete Panel System (Bell)
WIP: Fabricating Sustainable Concrete Elements (Jackson, Stern)
Project: Cutwork (Wilcox, Trandafirescu)
Digital Plaster (Dourtme, Ernst, Jimenez Garcia, Garcia)

SESSION 6: Energetic Assemblies (mod. Hugh Hynes)
Re-Framing Architecture for Emerging Ecological and Computational Design Trends for the Built Ecology (Winn, Vollen, Dyson)
The Greenhouse & Cabinet of Future Fossils (Sabin)
WIP: Smart Disassembly or: How I Learned to Take Things Apart (Kelley, Blankenbaker)
Project: Gleaned Sukkah (Yogiaman, Tracy, Fulton)
Architecture of an Active Context (Lally)

SESSION 7: Material Feedback (mod. Ron Rael)
Glass Cast (McGee, Newell, Willette)
Functionally Graded Aggregate Structures (Dierichs, Menges)
Project: Terri-Form (Abouelkheir, Shahi, Lee, Wong)
Project: Digital Plaster (Dourtme, Ernst, Jimenez Garcia, Garcia)
WIP: Tectonic Tessellations (Imbern, Raspall, Su)
The Digital-Physical Feedback Loop (Kock, Bradley, Levelle)

SESSION 8: Dynamic Responses (mod. Nicholas DeMonchaux)
Design Systems, Ecology and Time (Angels Chronis, Tsigkari, Davis, Aish)
Reactive Light Design in the 'Laboratory of the Street' (Poulsen, Andersen)
WIP: Synchronous Horizons (Melsom, Fraguada, Girot)
Project: PLIS / REPLIS (Kook, Momeni, Meier)
Project: Green Negligee (Cupkova, Pratt)
Formal and Functional Implications of Dynamics-Related Solar Design-Schemes (Leidi, Schlüter)

SESSION 9: Performative Geometries (mod. Branko Kolarevic)
The Self-Assembly Line (Tibbits)
Design Ecologies for Responsive Environments: Resonant Chamber, an Acoustically Performative System(Thün, Velikov, Sauvé, McGee)
The Forbidden Symmetries (Ajlouni)
WIP: An Exploration into Computational Optimization for Motive Architecture (Mehann, Sher)
Project: Sartorial Tectonics (Saunders, Ngai)
Project: Dragon Skin Pavilion (Crolla, Delagrange, Keskisarja, Tynkkynen)
Implicit Fabrication– Fabrication beyond Craft (Feringa)

SESSION 10: Emerging Interfaces (mod. Yehuda Kalay)
3D Virtuality Sketching (Schubert, Artinger, Yanev, Klinker, Petzold)
Dancing on the Desktop (Hsiao, Davis, Do)
WIP: Crowdsourcing Architecture (As, Angelico)
Project: IM BLANKY (Moukheiber, Marcopoulos, el-Khoury)
Conventions of Control (Fox, Polancic)

PANEL 2: Data-Driven: Emerging Software Trajectories (mod. David Scheer)
Panelists: Nathan Miller, Satoru Sugihara, Kimon Onuma; Sponsored by AIA-TAP

SESSION 11: Synthetic Optimizations (mod. David Gerber)
Adaptive Distributed Architectural Systems (Rossi, Nagy, Schlueter)
Weighted Metrics (Shook, Sarkisian)
WIP: An Integral Approach to Structural Optimization and Fabrication (Feringa, Søndergaard)
Project: Learning from Candela (Nahmad, Bhooshan, Zabel, Brunier, El Sayed)
Conditioning Elegance (Vermisso)
Performative Topologies (Castorina)

SESSION 12: Collaborative Ecologies (mod. Nataly Gattegno)
A Parametric Multi-criterion Housing Typology (Willis, Hemsath)
Edible Infrastructures (Borowski, Poulimeni, Janssen)
WIP: Emergent Constructions (van Ameijde, Carlin, Vlieghe)
Project: Architecture Spring Challenge (Gheorghe, Pap, Patt, Bogdan, Preisinger, Heimrath)
A Web-based Geographic Virtual Environment for the Deliberation of Alternative Urban Development Projects Prepared for Brussels (Pak, Verbeke)

ACADIA 2012 Organizers
Jason Kelly Johnson (Conference Chair), Mark Cabrinha and Kyle Steinfeld (Technical Co-Chairs)
Brian Price and Nataly Gattegno (Exhibition Chairs)
Graphic Design: NOON

http://2012.acadia.org (For the latest schedule and to download the ACADIA 2012 iPhone / Android Conference App)

ACADIA 2012
SYNTHETIC DIGITAL ECOLOGIES
SAN FRANCISCO // OCTOBER 18–21
SCHEDULE