

Monday
10 / 24 / 16

Tuesday
10 / 25 / 16

Wednesday
10 / 26 / 16

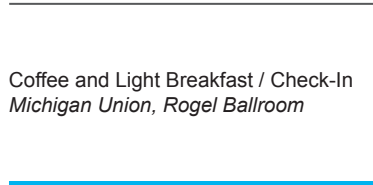
Thursday
10 / 27 / 16

Friday
10 / 28 / 16

Saturday
10 / 29 / 16

Sunday
10 / 30 / 16

8:00 am



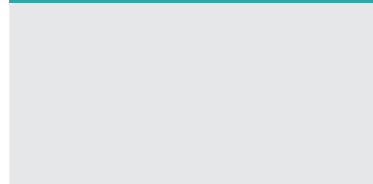
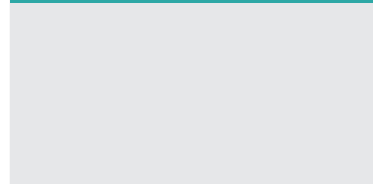
Coffee and Light Breakfast / Check-In
Michigan Union, Rogel Ballroom

Coffee and Light Breakfast / Check-In
Michigan Union, Rogel Ballroom



9:00 am

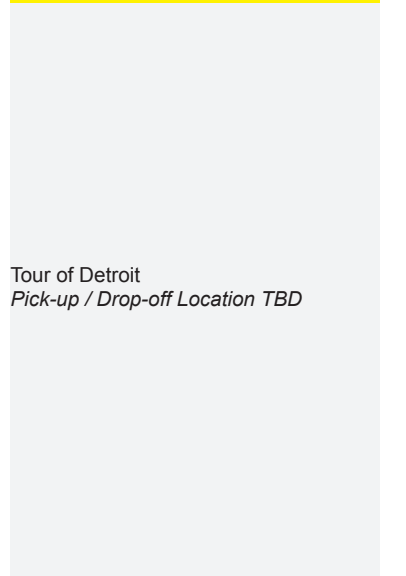
Workshop Introductions
Taubman College, Studio Space



Opening Remarks by Chairs
Michigan Union, Rogel Ballroom

Awards Presentation:
Andrew Payne
Michigan Union, Rogel Ballroom

Awards Presentation:
Mette Ransgaard Thomsen
Michigan Union, Rogel Ballroom



10:00 am

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

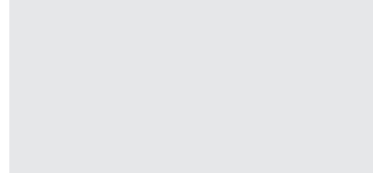
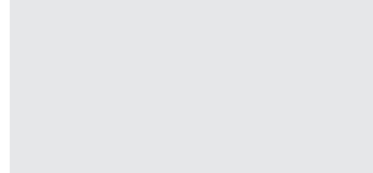
Paper Session 1
Michigan Union, Rogel Ballroom

Paper Session 4
Michigan Union, Rogel Ballroom

Paper Session 10
Michigan Union, Rogel Ballroom

11:00 am

Workshop Session
Taubman College/Pierpont Commons



Coffee Break
Michigan Union, Rogel Ballroom

Coffee Break
Michigan Union, Rogel Ballroom

Coffee Break
Michigan Union, Rogel Ballroom

Tour of Detroit
Pick-up / Drop-off Location TBD

12:00 pm

Lunch
Taubman College, Room 1227

Lunch
Taubman College, Room 1227

Lunch
Taubman College, Room 1227

Paper Session 2
Michigan Union, Rogel Ballroom

Paper Session 5
Michigan Union, Rogel Ballroom

Paper Session 11
Michigan Union, Rogel Ballroom

1:00 pm

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Lunch
Michigan Union, Rogel Ballroom

Lunch
Michigan Union, Rogel Ballroom

Lunch
Michigan Union, Rogel Ballroom

2:00 pm

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Keynote Lecture:
Theodore Spyropoulos
Michigan Union, Rogel Ballroom

Awards Presentation:
J. Meejin Yoon
Michigan Union, Rogel Ballroom

Awards Presentation:
Charles Eastman
Michigan Union, Rogel Ballroom

3:00 pm

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Paper Session 3
Michigan Union, Pendleton Room

Break

Awards Presentation:
Virginia San Fratello and Ron Rael
Michigan Union, Rogel Ballroom

4:00 pm

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Workshop Session
Taubman College/Pierpont Commons

Break

Coffee Break
Michigan Union, Rogel Ballroom

Coffee Break
Michigan Union, Rogel Ballroom

5:00 pm

FABLab Open House /
Taubman College, FABLab

Panel Discussion: *FABRICATED*
with Brandon Clifford, Matt Jezyk,
Dave Pigram, Lauren Vasey
*Taubman College, Art & Architecture
Auditorium*

FABLab Open House /
Taubman College, FABLab

Keynote Lecture:
Iris van Herpen & Philip Beesely
Michigan Theater

Paper Session 6
*Michigan Union,
Rogel Ballroom*

Paper Session 7
*Michigan Union,
Pendleton Room*

Paper Session 12
*Michigan Union,
Rogel Ballroom*

Paper Session 13
*Michigan Union,
Pendleton Room*

6:00 pm

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

Break

Break

Break | "Overnight" exhibition
by Catie Newell
UMMA

7:00 pm

Gallery Opening and Reception
Liberty Annex

Gallery Opening and Reception
Liberty Annex

Gallery Opening and Reception
Liberty Annex

Keynote Lecture:
Elizabeth Diller
Power Center

Keynote Lecture:
Mario Carpo
Michigan Union, Rogel Ballroom

8:00 pm

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

Dinner:
Suggested Restaurants

ACADIA Banquet and Annual Meeting
UMMA Apse

9:00 pm

Thursday, October 27

Michigan Union	8:00 am	BREAKFAST	Coffee and Light Breakfast / Check-in
Michigan Union Rogel Ballroom	9:00 am	WELCOME	Welcome and Opening Remarks: Geoffrey Thün <i>Conference Chair</i>
	9:30 am	SESSION 1	PROCEDURAL DESIGN 1_GAMEPLAY + COMBINATORIAL STRATEGIES
	5m	INTRO	Introduction: Paul Nicholas <i>Session Chair</i>
	15m	SPEAKER 1	David Gerber - Evangelos Pantazis Multi-Agent System for Facade Design: A Design Methodology for Design Exploration, Analysis and Simulated Robotic Fabrication
	15m	SPEAKER 2	Anton Savov - Ben Buckton - Oliver Tessmann 20,000 Blocks: Can Gameplay be Used to Guide Non-Expert Groups in Creating Architecture?
	15m	SPEAKER 3	Jason S. Johnson - Matthew Parker Architectural Heat Maps: A Workflow for Synthesizing Data
	15m	SPEAKER 4	Jose Sanchez Combinatorial Design: Non-Parametric Computational Design Strategies
	20m	DISCUSSION	Round Table
	11:00 am	BREAK	Coffee Break
	11:30 am	SESSION 2	GENERATIVE ROBOTICS 1_HUMAN-ROBOT ROBOT-MATERIAL FEEDBACK
	5m	INTRO	Introduction: Philip Yuan <i>Session Chair</i>
	15m	SPEAKER 1	Giulio Brugnaro - Ehsan Baharlou - Lauren Vasey - Achim Menges Robotic Softness: An Adaptive Robotic Fabrication Process for Woven Structures
	15m	SPEAKER 2	Johannes Braumann - Sven Stumm - Sigrid Brell-Cokcan Towards New Robotic Design Tools - Using Collaborative Robots within the Creative Industry
	15m	SPEAKER 3	Andrew Moorman - Jingyang Liu - Jenny E. Sabin RoboSense: Context Dependent Robotic Design Protocols and Tools
	15m	SPEAKER 4	Lauren Vasey - Long Nguyen - Tovi Grossman - Heather Kerrick - Danil Nagy - Evan Atherton - David Thomasson - Nick Cote - Tobias Schwinn - David Benjamin - Maurice Conti - George Fitzmaurice - Achim Menges Collaborative Construction: Human and Robot Collaboration Enabling the Fabrication and Assembly of a Filament-Wound Structure
	20m	DISCUSSION	Round Table
	1:00 pm	LUNCH	Lunch

	1:30 pm	KEYNOTE	Keynote: THEODORE SPYROPOULOS All is Behaviour
	2:30 pm	SESSION 3	PROGRAMMABLE MATTER 1_ACTIVE FORM
	5m	INTRO	Introduction: Dana Cupkova <i>Session Chair</i>
	7m	SPEAKER 1	Sergio Pineda - Mallika Arora - P. Andrew Williams - Benson M. Kariuki - Kenneth D. M. Harris The Grammar of Crystallographic Expression
	15m	SPEAKER 2	Carolina Ramirez-Figueroa - Luis Hernan - Aurelie Guyet - Martyn Dade-Robertson Bacterial Hygromorphs: Experiments into the Integration of Soft Technologies into Building Skins
	7m	SPEAKER 3	Shahida Sharmin - Sean Ahlquist Knit Architecture: Exploration of Hybrid Textile Composites through the Activation of Integrated Material Behavior
	15m	SPEAKER 4	Simon Schleicher - Riccardo La Magna Bending-Active Plates: Form-Finding and Form-Conversion
	15m	SPEAKER 5	Axel Körner - Anja Mader - Saman Saffarian - Jan Knippers Bio-inspired Kinetic Curved-Line Folding for Architectural Applications
	20m	DISCUSSION	Round Table
	4:00 pm	BREAK	Break <i>Walk to Michigan Theater</i>
Michigan Theater	5:10 pm	KEYNOTE	Keynote: PHILIP BEESLEY and IRIS VAN HERPEN New Bodies New Worlds
Liberty Annex	7:00 pm	EXHIBITION	Posthuman Frontiers Exhibition Reception + Poster Session
			<i>Dinner on your own</i> <i>Evening Meetup: Bab's Underground Lounge, 213 Ashley St.</i>

Friday, October 28

Michigan Union	8:00 am	BREAKFAST	Coffee and Light Breakfast / Check-in
		MEETING	Living Architecture Systems Research Collaboration
Michigan Union Rogel Ballroom	9:00 am	AWARD LECTURE	ACADIA 2016 Innovative Research Award of Excellence: Andrew Payne
	9:30 am	SESSION 4	PROGRAMMABLE MATTER 2_FIBROUS ARCHITECTURES
	5m	INTRO	Introduction: Jenny Sabin Session Chair
	15m	SPEAKER 1	Mette Ramsgaard Thomsen - Martin Tamke - Ayelet Karmon - Jenny Underwood - Christoph Gengnagel - Natalie Stranghöner - Jörg Uhlemann Knit as bespoke material practice for architecture
	7m	SPEAKER 2	Jane Scott Programmable Knitting
	7m	SPEAKER 3	Adam Wang - Sean Ahlquist Pneumatic Textile System
	15m	SPEAKER 4	Lei Yu - Yijiang Huang - Zhongyuan Liu - Sai Xiao - Ligang Liu - Guoxian Song - Yanxin Wang Highly Informed Robotic 3D Printed Polygon Mesh
	7m	SPEAKER 5	Eva Espuny Bio Inspired Fibrous Composite Chair
	20m	DISCUSSION	Round Table
	11:00 am	BREAK	Coffee Break
	11:30 am	SESSION 5	POSTHUMAN ENGAGEMENTS 1_EMBODIMENTS
	5m	INTRO	Introduction: Kathy Velikov Session Chair
	15m	SPEAKER 1	Neil Leach Digital Tool Thinking: Object Oriented Ontology versus New Materialism
	7m	SPEAKER 2	Jason Kelly Johnson - Nataly Gattegno Murmur Wall
	15m	SPEAKER 3	Behnaz Farahi Caress of the Gaze: A Gaze Actuated 3D Printed Body Architecture
	7m	SPEAKER 4	Dimitris Papanikolaou BodyPrint
	15m	SPEAKER 5	Philip Beesley - Zeliha Asya Ilgün - Giselle Bouron - David Kadish - Jordan Prosser - Rob Gorbet - Dana Kulić - Paul Nicholas - Mateusz Zwierzycki Hybrid Sentient Canopy: An implementation and visualization of proprioceptive curiosity-based machine learning
	20m	DISCUSSION	Round Table
	1:00 pm	LUNCH	Lunch

	1:30 pm	AWARD LECTURE	ACADIA 2016 Teaching Award of Excellence: J. Meejin Yoon
	2:00 pm	BREAK	Coffee Break
Michigan Union Rogel Ballroom	2:15 pm	SESSION 6	PROCEDURAL DESIGN 2_DESIGN WITH EMERGENT BEHAVIORS
	5m	INTRO	Introduction: Gilles Retsin Session Chair
	7m	SPEAKER 1	David Andréen - Petra Jenning - Nils Napp - Kristin Petersen Emergent Structures Assembled by Large Swarms of Simple Robots
	15m	SPEAKER 2	Gergana Rusenova - Karola Dierichs - Ehsan Baharlou - Achim Menges Feedback-driven Design for Aggregate Architectures: Analyses of Data Collections for Physical and Numerical Prototypes
	7m	SPEAKER 3	Alan Cation - Clayton Muhleman - Adithi Satish Swarmscapers: Experiments in Distributive, Massive, and Autonomous Fabrication
	7m	SPEAKER 4	Paul Harrison What Bricks Want: Machine Learning and Iterative Ruin
	15m	SPEAKER 5	Matthew Parker - Joshua M. Taron Form-Making in SIFT Imaged Environments
	20m	DISCUSSION	Round Table
Michigan Union Pendleton Room	2:15 pm	SESSION 7	POSTHUMAN ENGAGEMENTS 2_INTERACTIONS
	5m	INTRO	Introduction: Sean Ahlquist Session Chair
	15m	SPEAKER 1	Sara Costa Maia - Ana Lisa Meyboom Researching Agency in Interactive Architecture
	15m	SPEAKER 2	Déborah López - Hadin Charbel - Yusuke Obuchi - Jun Sato - Takeo Igarashi - Yosuke Takami - Toshikatsu Kiuchi Human Touch in Digital Fabrication
	15m	SPEAKER 3	Daniel Eisinger - Steven Putt Formeta: 3D: Posthuman Participant Historian
	15m	SPEAKER 4	Diego Pinochet Antithetical Colloquy: From Operation to Interaction in Digital Fabrication
	20m	DISCUSSION	Round Table
Michigan Union Rogel Ballroom	3:45 pm	BREAK	Coffee Break

Friday, October 28 (continued)

Michigan Union Rogel Ballroom	4:15 pm	SESSION 8	MATERIAL FRONTIERS 1_MATERIAL AGENCIES
	5m	INTRO	Introduction: Ellie Abrons Session Chair
	15m	SPEAKER 1	Faysal Tabbarah Almost Natural Shelter: Non-linear Material Misbehavior
	7m	SPEAKER 2	Michael Beaman Landscapes After The Bifurcation of Nature: Models for Speculative Landformations
	7m	SPEAKER 3	Simon Twose - Rosa du Chatenier Experimental Material Research: Digital Chocolate
	7m	SPEAKER 4	Frank Melendez - Nancy Diniz - Valeria Rybyakova Liquid Actuated Elastomers: Soft Corporeal Architectural Systems
	15m	SPEAKER 5	Brandon Clifford The McKnelly Megalith: A Method of Organic Modeling Feedback
	20m	DISCUSSION	Round Table

Michigan Union Pendleton Room	4:15 pm	SESSION 9	PROCEDURAL DESIGN 4_MACHINE LEARNING + EVALUATION
	5m	INTRO	Introduction: Kyle Steinfeld Session Chair
	15m	SPEAKER 1	Christoph Klemmt - Klaus Bollinger Load Responsive Angiogenesis Networks: Structural Growth Simulations of Discrete Members Using Variable Topology Spring Systems
	7m	SPEAKER 2	Shane Ida Smith - Chris Lasch Machine Learning Integration for Adaptive Building Envelopes: An Experimental Framework for Intelligent Adaptive Control
	15m	SPEAKER 3	Subhajt Das - Colin Day - Anthony Hauck - John Haymaker - Diana Davis Space Plan Generator: Rapid Generation & Evaluation of Floor Plan Design Options to Inform Decision-Making
	15m	SPEAKER 4	Daniel Davis Evaluating Buildings with Computation and Machine Learning
	20m	DISCUSSION	Round Table
	5:45 pm	BREAK	Break <i>Walk to Power Center</i>
Power Center	6:30 pm	AWARD/ KEYNOTE	ACADIA 2016 Lifetime Achievement Award and Keynote: ELIZABETH DILLER <i>Dinner on your own</i> <i>Evening Meetup: LIVE, 102 S. First St. (doors open at 9 pm)</i> <i>Last Word, 301 W. Huron</i>

Saturday, October 29

Michigan Union	8:00 am	BREAKFAST	Coffee and Light Breakfast / Check-in
Michigan Union Rogel Ballroom	9:00 am	AWARD LECTURE	ACADIA 2016 Innovative Program Award of Excellence: CITA / Mette Ramsgaard Thomsen
	9:30 am	SESSION 10	PROGRAMMABLE MATTER 3_COMPOSITE FORMATION
	5m	INTRO	Introduction: Sandra Manninger Session Chair
	15m	SPEAKER 1	Paul Nicholas - Mette Ramsgaard Thomsen - David Stasiuk - Mateusz Zwierzycki - David Satsium Concepts and Methodologies for Multi-Scale Modelling: a Mesh-Based Approach for Bi-Directional Information Flows
	15m	SPEAKER 2	Alvin Huang From Bones to Bricks: Designing the 3D Printed Durotaxis Chair and La Burbuja Lamp
	7m	SPEAKER 3	Andrew Wit - Rashida Ng - Cheng Zhang - Simon Kim Composite Systems for Lightweight Architectures: Case Studies in Large-Scale CFRP Winding
	7m	SPEAKER 4	Lei Yu - Zhongyuan Liu - Sai Xiao - Yanxin Wang - Yijiang Huang - Feng Xu - Yanchuan Liu - Liqun Zhao VULCAN PAVILION: A Fully 3D Printed Vault Structure
	15m	SPEAKER 5	Gilles Retsin - Manuel Jimenez Garcia Discrete Computational Methods for Robotic Additive Manufacturing: Combinatorial Toolpaths
	20m	DISCUSSION	Round Table
	11:00 am	BREAK	Coffee Break
	11:30 am	SESSION 11	GENERATIVE ROBOTICS 2_ROBOTIC DEXTERITY
	5m	INTRO	Introduction: Neil Leach Session Chair
	15m	SPEAKER 1	Philip F. Yuan - Hua Chai - Chao Yan - Jin Jiang Zhou Robotic Fabrication of Structural Performance-Based Timber Grid-Shell in Large-Scale Building Scenario
	7m	SPEAKER 2	Pradeep Devadass - Farid Dailami - Zachary Mollica - Martin Self Robotic Fabrication of Non-Standard Material
	15m	SPEAKER 3	Matthew Schwartz Use of a Low-Cost Humanoid Robot for Tiling as a Study in On-Site Fabrication: Techniques and Methods
	7m	SPEAKER 4	Martin Tamke - Henrik Leander Evers - Esben Clausen Nørgaard - Scott Leinweber - Flemming Tvede Hansen Filigree Robotics
	15m	SPEAKER 5	Tobias Schwinn - Oliver David Krieg - Achim Menges Robotic Sewing: Textile Strategies for the Computational Design of Ultra- Lightweight Timber Shells
	20m	DISCUSSION	Round Table
	1:00 pm	LUNCH	Lunch
	1:30 pm	AWARD LECTURE	ACADIA 2016 Society Award of Excellence: Chuck Eastman

	2:00 pm	AWARD LECTURE	ACADIA 2016 Digital Practice Award of Excellence: Ron Rael and Virginia San Fratello
	2:30 pm	BREAK	Coffee Break
Michigan Union Rogel Ballroom	3:00 pm	SESSION 12	PROCEDURAL DESIGN 3_DATA DRIVEN DESIGN
	5m	INTRO	Introduction: Jose Sanchez Session Chair
	7m	SPEAKER 1	Laura Ferrarello The Tectonic of the Hybrid Real: Data Manipulation, Oxymoron Materiality, and Human-Machine Creative Collaboration
	7m	SPEAKER 2	Dana Cupkova - Andrea Salomon - Aman Tiwari - Aprameya Mysore Contingent Landscapes
	15m	SPEAKER 3	Duks Koschitz - Bernat Ramagosa - Eric Rosenbaum Beetle Blocks: A New Visual Language for Designers and Makers
	7m	SPEAKER 4	Maj Plamenitas Cross Scale Embedding
	15m	SPEAKER 5	Andrei Nejur - Kyle Steinfeld Ivy: Bringing a Weighted-Mesh Representation to Bear on Generative Architectural Design Applications
	20m	DISCUSSION	Round Table
Michigan Union Pendleton Room	3:00 pm	SESSION 13	MATERIAL FRONTIERS 2_SYNTHETIC BIOLOGIES
	5m	INTRO	Introduction: Matias del Campo Session Chair
	15m	SPEAKER 1	Alberto T. Estévez Towards Genetic Posthuman Frontiers in Architecture & Design
	15m	SPEAKER 2	Martyn Dade-Robertson - Carolina Ramirez-Figueroa - Luis Hernan - Javier Rodrigue Corral - Anil Wipat - Helen Mitrani Thinking Soils: A Synthetic Biology Approach to Material-Based Design Computation
	7m	SPEAKER 3	Aldo Sollazzo - Efilena Baseta - Angelos Chronis Symbiotic Associations
	15m	SPEAKER 4	Luke Franzke - Dino Rossi - Karmen Franinović Fluid Morphologies: Hydroactive Polymers for Responsive Architecture
	7m	SPEAKER 5	Tiziano Derme - Daniela Mitterberger - Umberto Di Tanna Growth Based Fabrication Techniques for Bacterial Cellulose
	20m	DISCUSSION	Round Table
UMMA	4:30 pm	BREAK	Break "Overnight" exhibition by Catie Newell at UMMA
Michigan Union Rogel Ballroom	6:00 pm	KEYNOTE	Keynote: MARIO CARPO The Second Digital Turn
UMMA Apse	7:30 pm	BANQUET/ MEETING	ACADIA Banquet and Annual Meeting

Evening Meetup: Mash, 211 E. Washington St.