

LASG Symposium 2019

March 1-3, 2019

Living Architecture Systems Group

Ontario College of Art and Design University & University of Waterloo

Main Auditorium, Auditorium 230, Reid Room

100 McCaul Street, Toronto, Ontario, Canada, M5T 1W1 416-977-6000

LASG Studio

213 Sterling Road, Suite 200, Toronto, Ontario, Canada, M6R 2B2 416-766-8284

Friday March 1

- 9:00–9:30 AM Registration, Coffee
- 9:30 AM Welcome & Resurgence of Organicism Exhibition Opening
- 10:00 AM Poster Sessions
- 11:30 AM Lunch
- 12:30 PM Speaker Introductions
- 1:00–3:15 PM Presentation Session A: Making Vibrant Matter
- 3:15–3:45 PM Break
- 3:45–5:00 PM Presentation Session B: Synthetic Cognition
- 5:00–6:15 PM Presentation Session C: Subtle Phenomena & Expanded Perception
- 6:15 PM Dinner Reception
- 7:15 PM Opening Keynote
- 8:30 PM Reception

Saturday March 2

- 9:00–10:30 AM Presentation Session D: Open Boundaries & Expanded Dimensions
- 11:00–12:00 PM Presentation Session E: Hybrid Nature
- 12:15–1:15 PM Keynote
- 1:15–2:30 PM LASG General Meeting
- 2:30–3:45 PM Presentation Session F: Kinetic Architectures
- 3:45–4:15 PM Break
- 4:15–6:15 PM Presentation Session G: Past & Future Living Architecture
- 6:30–7:00 PM Transfer to LASG Studio
- 7:00–8:00 PM LASG Studio Dinner Reception
- 8:00 PM 4DSOUND Studio Presentation
- 8:15 PM~ LASG Studio Reception

Sunday March 3

- 9:00–10:30 AM Research Workshop
- 10:45 AM Break
- 12:45 PM Interdisciplinary Research Methods Workshop
- 1:30 PM Lunch
- 2:00 PM Next Steps Discussion
- 2:30 PM Conference Close

LASG Symposium 2019 Presenters

Introduction

Philip Beesley, *University of Waterloo & European Graduate School*

Keynote Speakers

Paul Pangaro, *Carnegie Mellon University*

Katy Börner with Andreas Bueckle, *Indiana University*

Resurgence of Organicism Exhibition

Sarah Bonnemaïson, *Dalhousie University*

Research Workshop

Carole Collet, *Central Saint Martins, UAL*

Interdisciplinary Research Workshop

Toolbox Dialogue Initiative, *Michigan State University*

Research Poster Presentations

Zeynep Aksoz, *University of Applied Arts Vienna*

Lancelot Coar, *University of Manitoba*

James Forren, *Dalhousie University*

Adam Francey, *University of Waterloo*

Parisa Hassanzadegan, *University of Waterloo*

Thibaut Houette, *University of Akron*

Luke Kimmerer, *University of Waterloo*

Brian Lilley, *Dalhousie University*

Daiwei Lin, *University of Waterloo*

Lingheng Meng, *University of Waterloo*

Richard Mui, *University of Waterloo*

Nima Navab, *Concordia University*

Michael Palumbo, *York University*

Ala Roushan, *OCAD University*

Soo Woo, *University of Waterloo*

Paper Presentations

Open Boundaries and Expanded Dimensions

Simone Ferracina, *University of Edinburgh*

Alexander Webb, *University of New Mexico*

Barbara Imhof, *LIQUIFIER Systems Group GmbH*

Douglas MacLeod, *Athabasca University*

J. Eric Mathis, *Institute for Regenerative Design and Innovation*

Colin Talaba, *Independent Design Researcher*

Subtle Phenomena and Expanded Perception

Catie Newell, *University of Michigan*

Salavador Breed, Poul Holleman and Paul Oomen, *4DSOUND*

Michael Awad, *Artist, Architect and Independent Academic*

Navid Navab, *Concordia University*

Robert Bean, *Nova Scotia College of Art and Design*

Alan Macy, *Biopac Systems Inc.*

Making Vibrant Matter

Maria Paz Gutierrez, *University of California, Berkeley*

Martyn Dade-Robertson, *Newcastle University*

Neil Forrest, *Nova Scotia College of Art and Design*

Dana Cupkova, *Carnegie Mellon University*

Mette Ramsgaard Thomsen, *Royal Danish Academy of Fine Arts*

Tim Miller, Ross Stevens, Bernard Guy, *Victoria University of Wellington*

Petra Gruber, *University of Akron*

Michael Fox and Juintow Lin, *FoxLin Architects*

Andrew Wit, *Temple University*

Hybrid Nature

Carole Collet, *Central Saint Martins, UAL*

Phil Ayres, *Royal Danish Academy of Fine Arts*

Mitchell Joachim, *Terreform ONE and New York University*

Andrew Kudless, *California College of the Arts*

Synthetic Cognition

Dana Kulić, *Monash University*

Matias del Campo, *University of Michigan*

Haru Ji and Graham Wakefield, *OCAD U and York University*

Matt Gorbet, *Gorbet Design Inc.*

Thomas Jaśkiewicz, *TU Delft*

Brandon Mechtley, Julian Stein, Todd Ingalls,

Connor Rawls and Sha Xin Wei, *Synthesis, Arizona State University*

Kinetic Architectures

Henriette Bier, *TU Delft*

Axel Kilian, *Massachusetts Institute of Technology*

Vera Parlac, *University of Calgary*

Manuel Kretzer, *Anhalt University of Applied Sciences*

Past and Future Living Architecture

Sarah Bonnemaïson, *Dalhousie University*

Colin Ellard, *University of Waterloo*

Mark-David Hosale, *York University*

Val Rynnimeri, *University of Waterloo*

Ellen Hlozan and Matthew Spremulli *Autodesk Technology Center*

Michael Stacey, *The Bartlett School of Architecture*

JD Talasek, *National Academy of Sciences*

March 1

Living Architecture Systems Group Symposium 2019

9:00–9:30 AM	Registration, Coffee	Reid Room
9:30 AM	Welcome, Resurgence of Organicism Exhibit Opening <i>Sarah Bonnemaïson, Dalhousie University</i>	Reid Room
10:00 AM	Poster Sessions	Reid Room
11:30 AM	Lunch	Reid Room
12:30 PM	Speaker Introductions <i>Philip Beesley, Director, LASG, University of Waterloo and European Graduate School</i>	Main Auditorium
1:00–3:15 PM	Presentation Session A: Making Vibrant Matter Live Matter: Live Agency and Design <i>Maria Paz Gutierrez, UC Berkeley</i> Living Construction <i>Martyn Dade-Robertson</i> Poros: Phenomenon + Apparatus <i>Neil Forrest, Nova Scotia College of Art and Design University</i> New Materials for an Era of Material Change <i>Mette Ramsgaard Thomsen, CITA, The Royal Danish Academy of Fine Arts</i> 4D Printing: Design and Dynamic Forms <i>Tim Miller, Ross Stevens, Bernard Guy, Victoria University of Wellington</i> Research Exposed: Living Wall System Prototype <i>Petra Gruber, University of Akron</i> Feasibility Fueled Experimentation <i>Michael Fox & Juintow Lin, Cal Poly Pomona, and FoxLin Architects</i> Knit, Wound, Woven: Recontextualizing Architectural Typologies and Assemblies Through Fibrous Composites <i>Andrew Wit, Temple University</i> Darkness by Day <i>Catie Newell, University of Michigan</i>	Main Auditorium
3:15–3:45 PM	Break	Reid Room
3:45–6:15 PM	Presentation Session B: Synthetic Cognition Learning Through Interaction <i>Dana Kulić, Monash University</i> Toward Playful Intelligence in Shared Reality <i>Haru Ji and Graham Wakefield, OCAD University and York University</i> Toward a Unified Behaviour Previsualization and Control System for Living Architecture Systems <i>Matt Gorbet, Gorbet Design</i> Engaging People in Interactive Architectural Ecosystems <i>Tomasz Jaskiewicz, TU Delft</i> Improvisatory Events Using SC: A Modular Software Suite for Composing Continuously-Evolving Responsive Environments <i>Todd Ingalls, Brandon Mechtley, Connor Rawls, Julian Stein, Sha Xin Wei, Synthesis, Arizona State University</i>	Main Auditorium
	Presentation Session C: Subtle Phenomena & Expanded Perception Integrating Sound in Living Architecture Systems <i>Salvador Breed, Poul Holleman, Paul Oomen, 4DSOUND</i> In Theoretical Physics: PB, IvH, and the LASG <i>Michael Awad, Artist, Architect and Independent Academic</i> Chaosing into Balance <i>Nima Navab, Concordia University</i> Being-in-the-Breathable: Field Work in Mobility and Atmosphere <i>Robert Bean, Nova Scotia College of Art and Design</i> Biometrics in Participatory Collective Arts <i>Alan Macy, Biopac Systems</i>	Main Auditorium
6:15 PM	Dinner Reception	Main Auditorium
7:15 PM	Opening Keynote <i>Less Interference / More Dance, Paul Pangaro, Carnegie Mellon University</i>	Main Auditorium
8:30 PM	Reception	Main Auditorium

March 2

Living Architecture Systems Group Symposium 2019

9:00–10:30 AM	Presentation Session D: Open Boundaries & Expanded Dimensions	Auditorium 230
	<p>Sensibilities of Artificial Intelligence: An Examination of Architecture in a Posthuman Design Ecology Matias del Campo, <i>University of Michigan</i></p> <p>Metabolic Design: Towards Radical Co-authorships Simone Ferracina, <i>University of Edinburgh</i></p> <p>Would You Like to Wake up From This Dream? Yes, I'm Terrified: An Argument for a Machinic REM Alexander Webb, <i>University of New Mexico & European Graduate School</i></p> <p>Space Architecture Barbara Imhof, <i>LIQUIFER Systems Group</i></p> <p>Living Infrastructure Douglas MacLeod, <i>RAIC Centre for Architecture at Athabasca University</i></p> <p>Bioregional Innovation Lab: A Brief Sketch of the Coming Restoration Economy J. Eric Mathis, <i>Institute for Regenerative Design and Innovation & European Graduate School</i></p> <p>Applying 3D Scanning and 360° Technologies to Complex Physical Environments Codrin Talaba, <i>Independent Design Researcher</i></p>	
11:00–12:00 PM	Presentation Session E: Hybrid Nature	Auditorium 230
	<p>Botanical Fur Carole Collet, <i>Central Saint Martins UAL</i></p> <p>flora robotica: Investigating a Living Bio-Hybrid Architecture Phil Ayres, <i>Royal Danish Academy of Fine Arts</i></p> <p>Monarch Sanctuary Mitchell Joachim, <i>Terreform ONE and NYU</i></p> <p>Wild & Domestic: Architecture and the Nonhuman Andrew Kudless, <i>California College of the Arts</i></p>	
12:15–1:15 PM	Keynote	Auditorium 230
	<p>Envisioning the Internet of Things Katy Börner with Andreas Bueckle, <i>Indiana University</i></p>	
	LASG General Meeting	Auditorium 230
2:30–3:45 PM	Presentation Session F: Kinetic Architectures	Auditorium 230
	<p>Design-to-Robotic-Production and Operation Henriette Bier, <i>TU Delft</i></p> <p>Embodied Computation and Autonomous Architectural Robots Axel Kilian, <i>MIT</i></p> <p>Soft Kinetics Vera Parlac, <i>University of Calgary</i></p> <p>Breathe Manuel Kretzer, <i>Anhalt University of Applied Science</i></p> <p>Attuning Matter Dana Cupkova, <i>Carnegie Mellon University</i></p>	
3:45–4:15 PM	Break	Reid Room
4:15–6:15 PM	Presentation Session G: Past & Future Living Architecture	Auditorium 230
	<p>Exploring Organicism Sarah Bonnemaison, <i>Dalhousie University</i></p> <p>The Universal Human Attraction to Vitality Colin Ellard, <i>University of Waterloo</i></p> <p>Worldmaking as Techné: Participatory Art, Music, and Architecture Mark-David Hosale, <i>York University</i></p> <p>Sketches of Tectonic Culture Michael Stacey, <i>s4aa, The Bartlett</i></p> <p>Form from Process: Jekabs Zvilna and Integrative Form-Languages Valerio Rynnimeri, <i>University of Waterloo</i></p> <p>Autodesk Technology Centers & Residency Program Ellen Hlozan and Matthew Spemulli, <i>Autodesk Technology Center</i></p> <p>The Future of the World Depends on Us Being Better Collaborators JD Talasek, <i>National Academy of Sciences</i></p>	
6:30–7:00 PM	Transfer to LASG Studio	
7:00–8:00 PM	LASG Studio Dinner Reception	
8:00–8:15 PM	4DSOUND Studio Presentation	
8:15 PM	LASG Studio Reception	

March 3

Living Architecture Systems Group Symposium 2019

9:00-10:30 AM	Research Workshop <i>Carole Collet, Central Saint Martins UAL</i>	Seminar Room
10:45 PM	Break	Seminar Room
12:45 PM	Research Methods Workshop <i>Toolbox Dialogue Initiative, Michigan State University</i>	Seminar Room
1:30 PM	Lunch	Seminar Room
2:00 PM	Next Steps Discussion	Auditorium 230
2:45 PM	Closing Remarks	Auditorium 230