



MAR
22

PIZZA LUNCH

PHILIP BEESLEY

NOON | CENTRE SPACE | JOHN A. RUSSELL BUILDING

EXPERIMENTAL SCAFFOLDING SYSTEMS

PHILIP BEESLEY
Professor at the School of
Architecture at the University of
Waterloo and Professor of Digital
Design and Architecture & Urbanism
at the European Graduate School

Noon
March 22, 2019
Centre Space
John A. Russell Building

SYNOPSIS | Philip Beesley will present a Food for Thought lecture on experimental scaffolding systems within the surging field of adaptive, responsive architecture. The lecture will be followed by a round-table discussion in C.A.S.T. inviting all students from the Faculty of Architecture interested in participating in an upcoming intensive ground breaking workshop led by Beesley planned for the Fall of 2019 in C.A.S.T.

The workshop will examine some of the rapid and turbulent changes within our environment that architects are called to respond to, explore new working methods, demonstrate design and fabrication techniques, and develop innovative lightweight fabrications of meshwork that have transformative potential for contemporary architecture, including unparalleled resilience, distributed controls, responsive kinetics and atmosphere-modifying interwoven details.



Finally, students will collectively construct a large-scale experimental prototype structure. Sheet-based, assembled and cast materials including concrete, polymers and composites will be used, with a focus on scaffolds and construction armatures for next-generation experimental architecture.

BIO | Philip Beesley (Canadian, 1956) is a multidisciplinary artist and architect. Beesley's research is widely cited for its pioneering contributions to the rapidly emerging field of responsive interactive architecture. He directs Living Architecture Systems Group (LASG), an international consortium of researchers, creators and industry partners. LASG explores questions such as whether architecture can integrate living functions and future buildings could think and care. LASG's immersive installations integrate expertise in architecture, environmental design, visual art, digital media, engineering, machine learning, cognitive psychology, synthetic biology and knowledge integration. Collaborations with LASG artists, scientists and engineers has led to a diverse array of projects, from haute couture collections to complex electronic systems that can sense, react and learn.

Beesley is a professor at the School of Architecture at the University of Waterloo and Professor of Digital Design and Architecture & Urbanism at the European Graduate School. He represented Canada at the 2010 Venice Biennale of Architecture. He has authored and edited numerous books and proceedings, and has been featured in Canadian and international media, including Vogue, WIRED, Artificial Life (MIT), LEONARDO, CBC, and a series of TED talks.

This lecture is supported by the Centre for
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