



XLAB

SUMMER PROGRAM

EXCHANGE IDEAS WITH KEY THINKERS

July 27 - August 10, 2018 // Tokyo, Japan

INTRODUCTION

As professional boundaries expand into other fields, architecture searches for a multi-dimensional approach to shaping future environments. Conventionally, architecture has focused on the physical built environment and developed tools to analyze space. With advancements in information technologies, it is equally important for architecture to work with time, the medium of information space. Future environments will not only see the amplification of information space, but also its integration with physical space. Methodologies developed by architecture to address static space will no longer suffice when designing for dynamic space-time, the intertwined mechanism for constructing future environments.

xLAB In partnership with Shinken-chiku-sha, xLAB established the three-year xLAB Summer Program sequence. The xLAB Summer Program is a cross-disciplinary **platform** for architectural education that acts as a **hub** to develop strategies for our future built environment and a **laboratory** of experimental exchanges, testing of ideas, and sharing of knowledge.

PLATFORM As a platform, the xLAB Summer Program brings together students with diverse faculty from architecture, business, technology, and science in a flexible, non-hierarchical educational model.

HUB As a hub, the xLAB Summer Program creates an international and interdisciplinary network, allowing academic and professional participants to broaden their research networks and contribute to a global knowledge.

LABORATORY As a laboratory, the xLAB Summer Program tests scenarios and presents ideas to understand the impact of technology on our built environment.

2018: MOBILITY Each year a new programmatic theme offers a research topic surrounding the Tokyo 2020 Olympics: **Community (2017), Mobility (2018), and Diversity (2019)**. The Tokyo 2020 Olympics present a 21st Century case study in which to study, develop, and test new strategies for the future of the city and the architectural discipline. Students and faculty explore concepts of architecture and urbanism, including infrastructure, technological integration with existing systems, and simulated non-physical environments.

PROGRAM OVERVIEW

- DATES:** July 27 - August 10, 2018
- TUITION:** Free for accepted students
- HOUSING:** International students will stay at the Mitsui Garden Hotel in Kashiwanoha at no cost
- LOCATION:** Kashiwa-no-ha + Tokyo, Japan
- ELIGIBILITY:** Students of all levels that are currently enrolled or recently graduated from an architecture program

CURRICULUM

STUDIO

July 27 - August 10

With a focus on the Tokyo 2020 Summer Olympics, student participants will research themes of Mobility under the leadership of interdisciplinary faculty. Each studio research unit is comprised of ten students, along with one primary, one secondary, and a rotation of industry instructors to promote collaborative development. For accepted participants only.

SEMINARS

July 28, 30, 31

Cross-disciplinary seminar sessions bring together studio faculty and guest speakers. Open to partnering sponsors.

SYMPOSIUM

July 29

A series of panels and dialogs on mobility topics from experts in various disciplines, including: architecture, business, technology, urbanism, the city of Tokyo, and the Olympic games. Open to public.

MIDTERM STUDIO REVIEW

August 03

Participants present in-progress research before studio instructors and invited guests during Week I. Open to partnering sponsors.

FINAL STUDIO REVIEW

August 10

Culminating the Summer Program, participants will present Mobility research for the Tokyo 2020 Olympic Games before a panel of international and local invited guests. Open to public.

FACULTY

PRIMARY FACULTY



GREG LYNN

*Principal, Greg Lynn FORM
Chief Creative Officer, Piaggio Fast Forward
Studio Professor, UCLA - Architecture + Urban Design*



ANDREW WITT

*Co-Founder, Certain Measures
Assistant Professor in Practice, Harvard Univ. - GSD
Director, Harvard Univ. GSD - Geometry Lab*

SECONDARY FACULTY



KAZ YONEDA

*Principal, Bureau 0-1, Inc.
Assistant Professor, Keio Univ. - Architecture + Urban Design*



TOSHIKI HIRANO

*Founding Partner, Toshiki Hirano Design
Assistant Professor, TokyoU - Dept. of Architecture*

TECHNOLOGISTS



TBD



RYOSUKE SHIBASAKI

*Professor, TokyoU - Dept. of Socio-Cultural and Socio-Physical Environmental Studies
Director, Shibasaki and Sekimoto Lab*

SEMINAR LECTURERS



TAK UMEZAWA

*Partner, A.T Kearney Global Consumer Products
Technology Advisory Committee Member, Tokyo
Organizing Committee of Olympic and Paralympic Games*



MICHAEL OSMAN

*Associate Professor, UCLA - Architecture + Urban Design
Chair, Aggregate: The Architectural History Collaborative*



GEORGE ABE

*Lecturer, UCLA - Anderson School of Management
Faculty Director, Strategic Management Research Program*



TOKYO MOBILITY EXPERT

SCHEDULE

2018: JULY 27 -- AUGUST 10

FRIDAY
July 27

SATURDAY
July 28

Registration
11:00 - 12:00
Kashiwa Conference Center // Kashiwa

Program Introduction
13:00 - 20:00
Kashiwa Conference Center // Kashiwa

13:00 - 14:00
Overview: Schedule, Locations, Faculty

14:30 - 16:00
Mitsui Guided Tour

16:00 - 18:00
Course Briefs: Studio Presentation

18:00 - 20:00
Welcome Reception

Studio
9:00 - 15:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Seminar Session 1A
15:30 - 17:00
KOIL Studio // Kashiwa
Technologist A

Seminar Session 1B
19:00 - 20:30
KOIL Studio // Kashiwa
Ryosuke Shibasaki

SUNDAY
July 29

MONDAY
July 30

TUESDAY
July 31

WEDNESDAY
August 01

THURSDAY
August 02

FRIDAY
August 03

SATURDAY
August 04

Symposium:
Reimagining Tokyo's
Mobility

12:00 - 18:00
Mirai-kan National Museum // Tokyo

13:00 - 13:20
Opening Remarks

13:20 - 14:00
Keynote

14:10 - 17:30
Panel Discussions

17:30 - 18:00
Closing Remarks

18:00 - 20:00
Reception

Studio
9:00 - 15:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Seminar Session 2A
15:30 - 17:00
KOIL Studio // Kashiwa
Michael Osman

Seminar Session 2B
19:00 - 20:30
KOIL Studio // Kashiwa
George Abe

Studio
9:00 - 15:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Seminar Session 3A
15:30 - 17:00
KOIL Studio // Kashiwa
Tak Umezawa

Seminar Session 3B
19:00 - 20:30
KOIL Studio // Kashiwa
Tokyo Mobility Expert

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio Mid-Reviews
13:00 - 17:00
Kashiwa Conference Center // Kashiwa

Review Attendees:
Hitoshi Abe, Kengo Kuma, Atsushi Deguchi, Greg Lynn, Andrew Witt, Kaz Yoneda, Toshiaki Hirano, and more to come!

17:30 - 18:30
Reception

Studio
9:00 - 12:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Faculty Lectures + Roundtable
15:00 - 18:00
Kasumigasaki Bldg - Chiyoda

Greg Lynn + Andrew Witt
w/ Invited Guest

SUNDAY
August 05

MONDAY
August 06

TUESDAY
August 07

WEDNESDAY
August 08

THURSDAY
August 09

FRIDAY
August 10

Studio
10:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Roundtable Discussion
19:00 - 21:00
Keio University // Minato

Kaz Yoneda + Toshiaki Hirano

w/ Invited Guests

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio
9:00 - 17:00
KOIL 6F // Kashiwa

Studio I:
Greg Lynn + Kaz Yoneda

Studio II:
Andrew Witt + Toshiaki Hirano

Studio Final Reviews
13:00 - 17:00
Univ. of Tokyo // Hongo

Review Attendees:
Hitoshi Abe, Kengo Kuma, Atsushi Deguchi, Greg Lynn, Andrew Witt, Kaz Yoneda, Toshiaki Hirano, and more to come!

17:30 - 19:00
Closing Reception

LEADERSHIP

DIRECTORS



HITOSHI ABE

Professor, UCLA
Dept. of Architecture and Urban
Principal, Atelier Hitoshi Abe



KENGO KUMA

Professor, University of Tokyo
Department of Architecture
Principal, Kengo Kuma and
Associates



ATSUSHI DEGUCHI

Professor, University of Tokyo
Dept. of Socio-cultural
Environmental Studies
President, Urban Design
Center Kashiwanoha

ADVISORY BOARD

GREG LYNN

Greg Lynn FORM
Piaggio Fast Forward

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Pritzker Prize Director
IE School of
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UCLA

SHINOBU NAKANISHI

Miraikan: National
Museum of Emerging
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Nakazawa Consultants
Harvard, GSD

STAFF

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Admin. Support
Shinkenichiku-sha

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Admin. Support
Shinkenichiku-sha

SUPPORT

SPONSORED BY



The xLAB Summer Program is sponsored by Mitsui Fudosan, a Mitsui Group affiliated corporation.

IN COLLABORATION WITH



The xLAB Summer Program is organized by xLAB—a small research center in the Department of Architecture and Urban Design at the University of California, Los Angeles—in collaboration with Shinkenichiku-sha and A+U Publication, UCLA's School of Arts and Architecture, The University of Tokyo's Department of Architecture, and the Urban Design Center Kashiwa-no-ha.

SYMPOSIUM: REIMAGINING TOKYO'S MOBILITY

CONCEPT

The **xLAB x Miraikan Symposium** is a forum to discuss the new urban design paradigm of "time-space." Through discussing design methods of architecture, urban design, technology, business, and art, the symposium will investigate the transformation of Tokyo into a 21st Century City. A leading city of the 20th Century, Tokyo is currently at the forefront of various problems faced by many cities, including an aging population and overall population decline. These factors, plus a highly developed urban system, makes Tokyo an optimal test site for the city of the future.

The title of this year's symposium is **Reimagining Mobility for Tokyo**. Using the paradigm of "time-space" as the main topic, **Reimagining Mobility for Tokyo** will discuss the development of new transportation modes like autonomous vehicles, the mobilization of place through the sharing economy, and mobility without physical moving. The symposium will broaden the concept of mobility through discussions of technological developments, like information space mobility, and address how cities can use contemporary design methods to diversify mobility on an urban scale.

LOCATION



Miraikan is a place where we can understand the things happening in our world today from a scientific point of view, and have discussions while considering the future that awaits us. In addition to exhibitions that provide people with a chance to enjoy hands-on contact with science and technology, Miraikan's colorful line-up of offerings includes experienced based classes, and talks. Miraikan believes that science and technology are part of our culture. We provide an open forum for all to ponder and discuss the future roles of science and technology.

SCHEDULE

13:00 - 13:20 // Opening Remarks
13:20 - 14:00 // Keynote Speaker
14:00 - 14:10 // Break
14:10 - 17:30 // Panel Discussions
17:30 - 18:00 // Closing Remarks

SPONSOR



SYMPOSIUM: TOPICS

PANEL 01: ALTERNATIVE MOBILITY

Whether by foot, horse, locomotive, car, boat, or plane, as civilization has evolved, so too has humans' means of transport. These forms of mobility have defined the environment in which we live. Now in the 21st Century, alternative ways of traveling have deviated from existing frameworks of mobility, ranging from segways to hyperloops and other innumerable proposals. In Panel 01, we will discuss this diversification of mobility and its impact of cities.

*Moderated by Greg Lynn // CCO, Piaggio Fast Forward
Panelists to be announced soon!*

PANEL 02: COMPUTATIONAL MOBILITY

The rise of autonomous mobility, in conjunction with the evolution of AI, has the possibility to fundamentally change large-scale urban systems like road, parking lots, and public space. Computation Mobility broadens the thinking of mobility from the moving of people and things from to and from specific places to a dynamic system of intelligent mobility linked to information networks. Panel 02 will discuss the possibility of this computational mobility and the dynamic future environments it can create.

*Moderated by Ryosuke Shibasaki // Professor of Spatial Information Science, Univ. of Tokyo
Panelists to be announced soon!*

PANEL 03: NON-PHYSICAL MOBILITY

Accompanying the development of information technology, the expansion of information space and its subsequent integration with physical space has brought new possibilities the environments in which we live. While originally mobility focused on movement in physical space, it must now adapt to a future where physical and non-physical space have merged. Panel 03 will discuss how to redefine mobility in a hyperspace where real and virtual images, and place and time coexists. New possibilities for our environment are created at the intersection of information and space.

Participants

Yoshiji Kawashima // General Manager, Niantic, Inc.

Olga Kisseleva // Artist

Kouta Minamizawa // Associate Professor of Media Design, Keio Univ.

More panelists to be announced soon!

2017 HIGHLIGHTS



Participants of 2017: Community xLAB Summer Program



Keynote Lecture and Discussion with Greg Lynn



Seminar Session with Tak Umezawa



Dark Night: Cloud of Through Exhibition



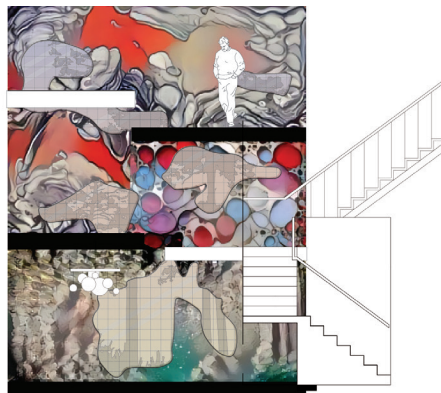
Students present at Mid-Review



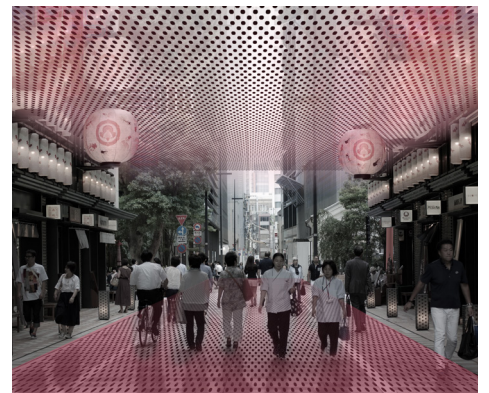
Studio Presentation with Jeffrey Inaba



"CoDed"



"The Dream and the City"



"Digi-Block : Tech-Tonics"