

Arc D R 3

ArcDR<sup>3</sup> Forum Vol.1:

# NEW AGENDAS FOR REGENERATIVE URBANISM

JUNE 26, 4 PM PDT JUNE 27, 8 AM JST 2 0 2 0



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#### 01:

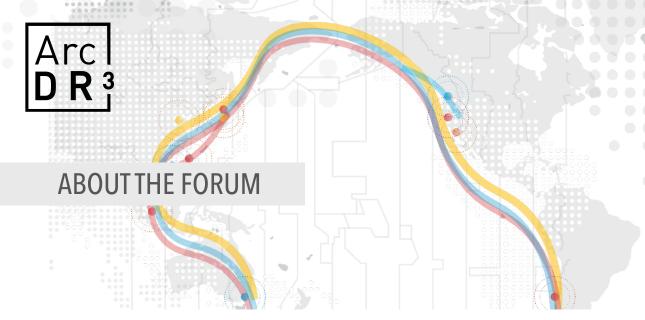
The history of humanity reflects a myriad of examples of survival in the face of natural and man-made disasters. Over many years scientists, engineers and scholars of such events have accumulated much knowledge to help elucidate disaster related phenomena, structures, and systems. However, there are limited scenarios in which experts find the opportunity to apply this knowledge at a large scale in the field of reconstruction or construction that anticipates future events. To bridge such gaps the xLAB at UCLA Architecture and Urban Design, in partnership with IRIDeS at Tohoku University in Japan, and Miraikan - The National Museum of Emerging Science and Innovation in Japan, have established the ArcDR³ Initiative as a part of the APRU Multi-Hazards Program.

ArcDR<sup>3</sup> (Architecture and Urban Design for Disaster Risk Reduction and Resilience) is a global initiative that has invited 11 major universities from regions with recurring risks of natural disasters to participate by engaging in a collaborative research studio that pursues new strategies for risk-resilient environments across the Pacific Rim. By establishing an international platform for the production and exchange of

knowledge on environmental design that reduces the risk of recurring disasters and enhances resilience, ArcDR<sup>3</sup> aims to create a more effective integration of theory / research and practice/ design.

Participating Universities include UC Berkeley (USA), University of Hong Kong (Hong Kong), University of Melbourne (Australia), National Cheng Kung University (Taiwan), National University of Singapore (Singapore), Pontifical Catholic University of Chile (Chile), University of Tokyo (Japan), Tohoku University (Japan), Tsinghua University (China), University of Washington (USA) and UCLA (USA).

As a platform, the joint initiative draws from an international network of professional and educational partners. To this end, the experimental educational project will share, store and utilize ideas created and implemented by participating universities under the umbrella of ArcDR<sup>3</sup> Grand Syllabus to be adopted and modified by each participating institution in its local context.



ArcDR<sup>3</sup> Forum Vol.1:

# NEW AGENDAS FOR REGENERATIVE URBANISM

02:

"ArcDR<sup>3</sup> Forum Vol.1: New Agendas for Regenerative Urbanism" will be held on Friday, June 26, and is the first event in the series of research, symposia, and exhibitions planned by the ArcDR<sup>3</sup> initiative. The event will be livestreamed via UCLA Architecture and Urban Design's YouTube page starting at 4 PM PST / 8 AM JST, Saturday, June 27

Under the umbrella of the "Grand Syllabus," the 11 participating universities will present their syllabi for their context-specific design studios in the upcoming 2020-2021 academic year. Discussions will be divided into three panels: #1: Earth, Wind and Fire, #2: Water, and #3: Multi-hazard. The event will be organized around two key objectives:

> To address the projected theme of "Regenerative Urbanism" and its implications for the design studios at each of the participating universities. The increased intensity of global risk establishes an urgency to define new strategies for designing buildings, cities and environments. Regenerative Urbanism is envisioned to address the unprecedented changes through an adaptive systems approach with the

focus on regenerative and evolutionary design and development strategies for ecologically, sociologically and technologically resilient cities. It expands the notion of resilience and implements an alternative complex form of adaptability, where resilient design responds and adapts to change, whether a sudden shock or a long-term trend though the establishment of ERS (Evolutionary Regenerative System). One of the objective of ArcDR³ Initiative is to develop this conceptual approach together and sets a foundation for the development of alternative sustainable regenerative design models for the future and enables urban designers to prepare for the complexities of the changing urban environment.

> To recognize the changes in learning environments and teaching processes that have been redefined by the global crisis, and explore opportunities for participants to expand their research skills by collaborating on a global scale through the ArcDR<sup>3</sup> network. Culminating studio projects will be discussed in upcoming conferences, displayed in exhibitions, and compiled into a publication for public distribution.



## Time Zones / Schedule Outline

TIME	UTC +9	UTC -7	UTC -4	UTC +10	UTC +8
ZONE	ТОКҮО, ТОНОКИ	BERKELEY, LOS ANGELES, WASHINGTON	SANTIAGO	MELBOURNE	BEIJING, HONG KONG, SINGAPORE, TAIPEI
START	8 AM	4 PM	7 PM	9 AM	7 AM
END	12 PM	8 PM	11 PM	1 PM	11 AM
OUTLINE OF THE PROGRAM WELCOME WORDS AND INTRODUCTION					
IRIDeS, TOHOKU UNIVERSITY xLAB, UCLA	8:00 AM - 8:15 AM	4:00 PM- 4:15 PM	7:00 PM- 7:15 PM	9:00 AM- 9:15 AM	7:00 AM- 7:15 AM
PANEL 1: EARTH, WIND AND FIRE					
UCLA, UC BERKELEY, UNIVERSITY OF TOKYO, TSINGHUA UNIVERSITY	8:20 AM - 9:05 AM	4:20 PM- 5:05 PM	7:20 PM- 8:05 PM	9:20 AM- 10:05 AM	7:20AM- 8:05 AM
PANEL 2: WATER					
UNIVERSITY OF WASHINGTON, UNIVERSITY OF MELBOURNE, NATIONAL UNIVERSITY OF SINGAPORE, UNIVERSITY OF HONG KONG	9:30 AM - 10:15 AM	5:30 PM- 6:15 PM	8:30 PM- 9:15 PM	10:30 AM- 11:15 AM	8:30 AM- 9:15 AM
PANEL 3: MULTI-HAZARD					
PONTIFICAL CATHOLIC UNIVERSITY OF CHILE, NATIONAL CHENG KUNG UNIVERSITY, NATIONAL UNIVERSITY OF SINGAPORE, TOHOKU UNIVERSITY	10:40 AM - 11:25 AM	6:40 PM- 7:25 PM	9:40 PM- 10:25 PM	11:40 AM- 12:25 PM	9:40 AM- 10:25 AM
SUMMARY, NEXT STEPS AND END WORDS	44 40 45	7.40.014	40.40.515		40.40.555
UCLA, MIRAIKAN NATIONAL MUSEUM OF EMERGING SCIENCE AND INNOVATION, TOHOKU UNIVERSITY	11:40 AM 12:00 PM	7:40 PM- 8:00 PM	10:40 PM- 11:00 PM	12:40 PM- 1:00 PM	10:40 AM- 11:00 AM



## **PROGRAM**

	PROGRAM						
	EVENT	PRESENTER	UTC +9	UTC -7	UTC -4	UTC+10	UTC+8
	SECTION	UNIVERSITY	Tokyo, Tohoku	Berkeley, Los Angeles, Washington	Santiago	Melbourne	Beijing, Hong Kong, Singapore, Taipei
	INTRODUCTION			_			
	Introduction, About ArcDR <sup>3</sup> Initiative and introduction of the participants	Hitoshi Abe (xLAB, UCLA), Fumihiko Imamura (IRIDeS, Tohoku University)	8:00 AM	4:00 PM	7:00 PM	9:00 AM	7:00 AM
	About the Symposium	Mohamed Sharif (UCLA), Forum Host	8:15 AM	4:15 PM	7:15 PM	9:15 AM	7:15 AM
• •	PANEL 1: EARTH,	WIND AND F	IRE	_			
9 0	Moderator: Jeffrey Ina	ba (UCLA)					
•	Introduction to the Panel Presentation 1	Jeffrey Inaba, Associate Adjunct Professor, (UCLA)	8:20 AM	4:20 PM	7:20 PM	9:20 AM	7:20 AM
	Presentation 2	Ronald Rael, Professor (UC Berkeley)	8:30 AM	4:30 PM	7:30 PM	9:30 AM	7:30 AM
	Presentation 3	Toshio Otsuki, Professor and Takuya Hagiwara, Associate	8:40 AM	4:40 PM	7:40 PM	9:40 AM	7:40 AM
		Professor					

(University of

Tokyo)

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EVENT	PRESENTER	UTC +9	UTC -7	UTC -4	UTC+10	UTC+8
SECTION	UNIVERSITY	Tokyo, Tohoku	Berkeley, Los Angeles, Washington	Santiago	Melbourne	Beijing, Hong Kong, Singapore, Taipei
Presentation 4	Deyin Luo, Associate Professor (Tsinghua University)	8:50 AM	4:50 PM	7:50 PM	9:50 AM	7:50 AM
Summary	Jeffrey Inaba, Associate Adjunct Professor, (UCLA)	9:00 AM 9:05 AM	5:00 PM 5:05 PM	8:00 PM 8:05 PM	10:00 AM 10:05 AM	8:00 AM 8:05 AM
Q&A Session	Mohamed Sharif (UCLA), Forum Host	7.US AIVI	3.03 FW	0.U3 FW	TO.OS AIVI	O.UJ AIVI
BREAK		9:20 AM	5:20 PM	8:20 PM	10:20 AM	8:20 AM

## **PANEL 2: WATER**

Moderator: Daniel B. Abramson (University of Washington)

Intro Daniel B. 9:30 AM 5:30 PM 8:30 PM 10:30 AM 8:30 AM Abramson,

Presentation 1 Adjunct Associate

Associate Professor (University of Washington)

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	EVENT	PRESENTER	UTC +9	UTC -7	UTC -4	UTC+10	UTC+8
SECTION	SECTION	UNIVERSITY	Tokyo, Tohoku	Berkeley, Los Angeles, Washington	Santiago	Melbourne	Beijing, Hong Kong, Singapore, Taipei
	Presentation 2	David Mah, Senior Lecturer and Leire Asensio-Villoria, Senior Lecturer, (University of Melbourne)	9:40 AM	5:40 PM	8:40 PM	10:40 AM	8:40 AM
	Presentation 3	Tsuto Sakamoto, Associate Professor, (National University of Singapore)	9:50 AM	5:50 PM	8:50 PM	10:50 AM	8:50 AM
	Presentation 4	Wang Weijen, Professor (University of Hong Kong)	10:00 AM	6:00 PM	9:00 PM	11:00 AM	9:00 AM
	Summary	Daniel B. Abramson, Adjunct Associate Professor (University of Washington)	10:10 AM	6:10 PM	9:10 PM	11:10 AM	9:10 AM
	Q&A Session	Mohamed Sharif (UCLA), Forum Host	10:15 AM	6:15 PM	9:15 PM	11:15 AM	9:15 AM
	BREAK		10:30 AM	6:30 PM	9:30 PM	11:30 AM	9:30 AM





	EVENT SECTION	PRESENTER UNIVERSITY	UTC +9	UTC -7	UTC -4	UTC+10	UTC+8	
	320314	OMIVERSITI	Tokyo, Tohoku	Berkeley, Los Angeles, Washington	Santiago	Melbourne	Beijing, Hong Kong, Singapore, Taipei	
PANEL 3: MULTI-HAZARD								

## Moderators: Renato D'Alencon and Roberto Moris (Pontifical Catholic University of Chile)

Introduction to the Panel Presentation 1	Renato D`Alencon, Professor, Roberto Moris, Professor (Pontifical Catholic University of Chile)	10:40 AM	6:40 PM	9:40 PM	11:40 AM	9:40 AM
Presentation 2	Cheng-Luen Hsueh, Associate Professor (National Cheng Kung University)	10:50 AM	6:50 PM	9:50 PM	11:50 AM	9:50 AM
Presentation 3	Shinya Okuda, Associate Professor (National University of Singapore)	11:00 AM	7:00 PM	10:00 PM	12:00 PM	10:00 AM
Presentation 4	Toshikazu Ishida, Professor, Graduate School of Engineering, (Tohoku University)	11:10 AM	7:10 PM	10:10 PM	12:10 PM	10:10 AM

UTC+8

UTC+10



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**EVENT** 

**PRESENTER** 

	SECTION		Tokyo, Tohoku	Berkeley, Los Angeles, Washington	Santiago	Melbourne	Beijing, Hong Kong, Singapore, Taipei
	Summary	Renato D'Alen- con, Professor, and Roberto Moris, Professor (Pontifical Cath- olic University of Chile)	11:20 AM	7:20 PM	10:20 PM	12:20 PM	10:20 AM
	Q&A Session	Mohamed Sharif (UCLA), Forum Host	11:25 AM	7:25 PM	10:25 PM	12:25 PM	10:25 PM
IEX <sup>°</sup>	T STEPS AND	CLOSING RE	MARKS	_			
1	Next Steps	Mohamed Sharif, Assistant Adjunct Professor (UCLA)	11:40 AM	7:40 PM	10:40 PM	12:40 PM	10:40 AM
	A Word from Miraikan	Sinovu Nakanishi Executive Director (Miraikan)	11:45 AM	7:45 PM	10:45 PM	12:45 PM	10:45 AM
	Closing Remarks	Toshiya Ueki , Professor, Executive Vice President, Noriko Osumi, Professor, Vice President for Public Relations and Promotion of Divers (Tohoku University)	sity	7:50 PM	10:50 PM	12:50 PM	10:50 AM
F	arewell	Hitoshi Abe (xLAB, UCLA), Fumihiko Imamura (IRIDeS,	11:55 AM	7:55 PM	10:55 PM	12:55 PM	10:55 AM
E	End Symposium	Tohoku University)	12:00 PM	8:00 PM	11:00 PM	1:00 PM	11:00 AM

UTC-7

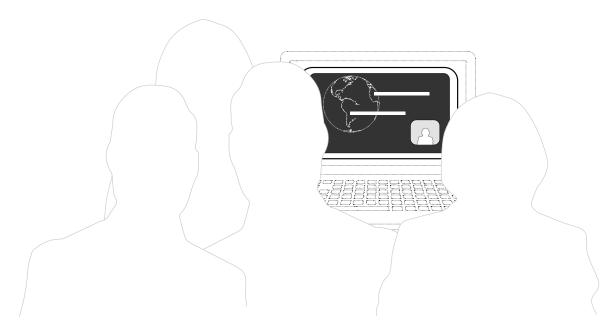
UTC + 9

UTC-4



## ONLINE FORMAT (

ArcDR<sup>3</sup> Forum Vol.1: NEW AGENDAS FOR REGENERATIVE URBANISM employs an online format for the event. In light of global pandemic crisis, ArcDR<sup>3</sup> Initiative takes the opportunity to redefine the traditional conference format by bringing in international participants within an online event, facilitated on several platforms. The discussion will be accommodated on ZOOM and will be livestreamed to Youtube platform.



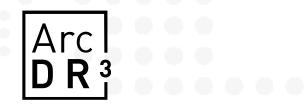
#### **GUESTS/VIEWERS**

All the guests are invited to join the event on Youtube. The event will be streamed live on the Youtube channel of the Department of Architecture and Urban Design at UCLA.

Please find the link below: EVENT LIVESTREAM LINK

We are inviting viewers to join the discussion via Youtube chat on June 26 PDT/ June 27 JST.





## **PEOPLE**



Arcdr<sup>3</sup> Forum vol.1: New Agendas for regenerative urbanism P A R T I C I P A N T S

## **UCLA**



Mohamed Sharif
Forum Host

Assistant Adjunct Professor , Dept. of Architecture and Urban Design, UCLA

An Assistant Adjunct Professor in the UCLA Department of Architecture and Urban Design, Mohamed has served on faculty since 2011 and was the director of the Summer Programs from 2017 through 2019. He teaches in both undergraduate and graduate design and comprehensive integrative design studios. In advanced graduate design topic studios, his focus has been on novel and ancient passive and active cooling construction technologies and their aesthetic and formal effects. As an active critic, Mohamed's essays and reviews have appeared in journals and periodicals, including 306090, arg, Constructs, JAE, and Log. A recent essay on the work of artist Soo Kim's work features in a catalog for a 2018 exhibition at the Getty Center. He served on the editorial board of arq (Cambridge University Press) from 2006 to 2016; and on the advisory board of the Los Angeles Forum for Architecture and Urban Design from 2004 to 2009, where he was also President from 2007 to 2009. With over twenty years of experience, Mohamed has completed projects in many sectors with both his practice Sharif, Lynch: Architecture, and previously with award-winning firms, including Koning Eizenberg Architecture and mOrphosis.



Jeffrey Inaba
PANEL 1: Earth, Wind and Fire, Moderator
Panelist

Associate Adjunct Professor, Dept. of Architecture and Urban Design, UCLA

Jeffrey Inaba is the co-founder of Inaba Williams Architects based in Los Angeles and Brooklyn. He's interested in the knowledge that's gained from the profession–especially ideas about urbanism, building technologies and the environment. Jeffrey's unique research background sets the tone for the firm's approach to design. He believes research leads to improbable solutions that allow people to experience buildings and environments in unexpected ways.

He is the founding director of C-LAB at Columbia University, a group that studied new relationships between architecture and technology. Before starting Inaba Williams he was a principal of AMO, the research consultancy founded by Rem Koolhaas and Office for Metropolitan Architecture (OMA).

Jeffrey enjoys writing and editing. He's the author of Adaptation: Architecture, Technology and the City (2012), and World of Giving (Lars Müller Publishers, 2010). For ten years he served as the Features Editor of Volume magazine and he's edited numerous publications about design, cities, and technology.

His work has received grants and honors from the Graham Foundation, Canadian Centre for Architecture, Knight Foundation, and Goldhirsh Foundation.

Jeffrey has a Master of Architecture with Distinction from Harvard University where he received the James Templeton Kelly Thesis Prize, a MA in Architectural History and Theory from Harvard, and an AB from the University of California, Berkeley. He is an Adjunct Associate Professor at UCLA, serves on the Advisory Boards of Architect's Newspaper and X-Lab. Jeffrey grew up in Los Angeles

## **UC BERKELEY**



Ronald Rael
PANEL 1: Earth, Wind and Fire Panelist

Professor, Chair, Dept. of Architecture, UC Berkeley

Professor Ronald Rael holds the Eva Li Memorial Chair in Architecture and a joint appointment in the Department of Architecture, in the College of Environmental Design, and the Department of Art Practice at UC Berkeley. Rael is the author of Borderwall as Architecture: A Manifesto for the U.S.-Mexico Boundary (University of California Press 2017), an illustrated biography and protest of the wall dividing the U.S. from Mexico featured in a recent TED talk by Rael, and Earth Architecture (Princeton Architectural Press, 2008), a history of building with earth in the modern era to exemplify new, creative uses of the oldest building material on the planet. Emerging Objects, a company co-founded by Rael, is an independent, creatively driven, 3D Printing MAKE-tank specializing in innovations in 3D printing architecture, building components, environments and products. His most recent startup company, FORUST, is a wood technology company that brings together expertise in design and 21st century manufacturing to promote healthy forests and sustainable design through innovations in 3D printed wood.



## UNIVERSITY OF TOKYO

## **TSINGHUA UNIVERSITY**



Toshio Otsuki
PANEL 1: Earth, Wind and Fire Panelist

Professor, Graduate School of Engineering, University of Tokyo

As a professor of department of architecture in graduate school of Engineering, the University of Tokyo, Dr. Otsuki is participating in Urban Redesign Studies Unit which is providing an education of master course students from department of Civil Engineering, Architecture and Urban Engineering in the University of Tokyo.

In the recovery process of Tohoku Great East Japan Earthquake in 2011, Dr. Otsuki had contributed to create the Community-Care Temporary Housing Projects in Tono City and Kamaishi City of Iware Prefecture, and also committed to the creation of public recovery housing design in Okuma Town of Fukushima Prefecture where all residents had been forced to evacuate from their original dwelling sites because of the Fukushima Nuclear Disaster. The Urban Redesign Studies Unit was established after the 2011 Great East Japan Earthquake, as an organization to imagine cities, regions, and land for the next generation. The education program aims to collaborate with various fields other than engineering, to establish new urban society models that can be applicable for each urban, regional, communal, and continental level, and to develop the model into global cities outside of Japan.



Takuya Hagiwara
PANEL 1: Earth, Wind and Fire Panelist

Assistant Professor, Graduate School of Engineering, University of Tokyo

As a special assistant professor in the Department of Civil Engineering, the University of Tokyo, Mr. Hagiwara is participating in Urban Redesign Studies Unit which is providing an education of master course students from department of Civil Engineering, Architecture and Urban Engineering in the University of Tokyo. In the process of reconstruction after the Great East Japan Earthquake, Mr. Hagiwara conducted research on the reconstruction of fishing villages in Iwate Prefecture that were affected by the tsunami, and contributed to the reconstruction of communities in Minamisoma City, Fukushima Prefecture, where residents were forced to evacuate after the Fukushima nuclear accident. The Urban Redesign Studies Unit was established after the 2011 Great East Japan Earthquake, as an organization to imagine cities, regions, and land for the next generation. The education program aims to collaborate with various fields other than engineering, to establish new urban society models that can be applicable for each urban, regional, communal, and continental level, and to develop the model into global cities outside of Japan.



Luo Deyin
PANEL 1: Earth, Wind and Fire Panelist

Associate Professor, School of Architecture, Tsinghua University

Luo is an associate professor of architectural history at the School of Architecture, Tsinghua University, Beijing. After completing his PhD in architecture in 2003, he has devoted to the research and protection of Chinese vernacular architecture and traditional villages. The products of his hard work during the past sixteen years are over twenty books published from 2007 to present, such as Chinese Ancient Theaters, The Ancient Castles of Yu County, The Xianxia Trail, Traditional Villages: from Concept to Practice, Research and Practice of Vernacular Settlements. He roots his architectural thinking in agricultural civilization, which he thinks is the origin of Chinese culture. He develops his protection working in combination between modernity and tradition, which he thinks is the future of most traditional villages. Among his many practical projects, Xihe Village and Pingtian Village are two convincing cases that have obtained much reputation.



## TOHOKU UNIVERSITY



Yasuaki Onoda

Earth, Wind and Fire Breakout Room Host

Professor, Dept. of Architecture and Building Science, Tohoku University

Yasuaki Onoda would be the most noted architectural planner in recent Japan. He became recognized in the field after his contribution to a masterpiece of contemporary architecture, Sendai Mediatheque by Toyo Ito in 2001. In 2003, he received AIJ(Architectural Institution of Japan) prize, which is a prestigious prize in the field of architecture in Japan, for Reihoku Community Hall Project with Hitoshi Abe. Since the Great East Japan Earthquake and Tsunami in 2011, he has been playing an important role as an organizer for reconstruction projects in disaster affected areas and contributed to realize some good architecture in a severe front line of reconstruction from the disaster, being part of Archiaid and received some important design awards. In Oct. 2018, Chinese version of his AIJ award book, "Pre-Design Thinking of Architecture" published by Wu-Nan Book Inc., Taipei. As chairman of the Architectural Planning Committee of the Architectural Institute of Japan, he is working to improve the architect selection in Japan and to promote pre-design as a bridge between architectural planning research and practice.

## **UCLA**



Kian Goh

Earth, Wind and Fire Breakout Room Host

Assistant Professor,
Department of Urban Planning
UCLA

Kian Goh is Assistant Professor of Urban Planning at the University of California, Los Angeles, Luskin School of Public Affairs. She researches the relationships between urban ecological design, spatial politics, and social mobilization in the context of climate change and global urbanization. More broadly, her research interests include urban theory, urban design, environmental planning, and urban political ecology. As a professional architect, she cofounded design firm SUPER-INTERESTING! and has practiced with Weiss/ Manfredi and MVRDV. She previously taught at Northeastern University, MIT, the University of Pennsylvania, the New School, and Washington University in St. Louis. She received a PhD in Urban and Environmental Planning from MIT, and a Master of Architecture from Yale University. Recent publications include articles on urban planning and the Green New Deal in the Journal of the American Planning Association, the politics of urban flooding in the International Journal of Urban and Regional Research, the global and urban networks of climate change adaptation in Urban Studies, and queer space and activism in the Annals of the American Association of Geographers. Her upcoming book investigates the urban spatial politics of climate change adaptation, tracing flows of ideas and influence between sites in Southeast Asia, North America, and Europe, is under contract with the MIT Press.



## UNIVERSITY OF WASHINGTON

## UNIVERSITY OF MELBOURNE



**Daniel Abramson** 

PANEL 2: Water, Moderator Panelist

Associate Professor, University of Washington

Daniel Abramson approaches the discipline of planning through urban design, historic preservation and planning history, methods of socio-spatial analysis and public participation, and qualitative study of the politics and cultures of development decision-making. His experience in community-engaged planning, research, and design - mostly with immigrant, low-income, indigenous, otherwise or marginalized communities - ranges from Boston to the American and Canadian Pacific Northwest, and from Poland to China and Japan. Currently he focuses on community resilience and adaptive planning in disaster recovery and hazard mitigation, as well as periurban and rural responses to rapid urbanization. Students at all levels of undergraduate and graduate education join my work, through course projects, community-engaged studios as well as thesis and dissertation research. Projects in Asia have included six China Village Studios with academic partners from Chengdu and Taiwan; a six-month Fulbright Senior Research Fellowship in recovery planning after the 2008 Wenchuan Earthquake in Sichuan; and a collaboration with Kobe University to use participatory GIS for urban neighborhood earthquake recovery. Projects in Washington integrate studios with FEMAand NSF-funded research on new protocols for state agencies and communities to envision earthquake- and tsunami-resilient development.



#### Leire Asensio-Villoria

PANEL 2: Water
Panelist
Senior Lecturer, School of Design,
University of Melbourne

Leire is currently a Senior Lecturer at the University of Melbourne's School of Design. She has taught at Harvard University's Graduate School of Design from 2010 to 2017, at London's Architectural Association School of Architecture, Graduate School Landscape Urbanism Programme from 2004 to 2007 and at Cornell University's College of Architecture, Art and Planning from 2006 till 2010. While at the GSD, Leire was part of the leadership team for the Waste to Energy Group and was also design research lead for the Health and Places Initiative, a research collaboration between the Harvard Graduate School of Design and the Harvard T.H. Chan School of Public Health focused on studying the links between the built environment and health outcomes. She has co-authored the book: Architecture and Waste: A (Re)Planned Obsolescence (2017, Actar) and Lifestyled: Health and Places (2016, Jovis). Leire is a registered architect in Spain and studied architecture at the ETSASS (Escuela Tecnica Superior de Arquitectura de San Sebastian) and the Architectural Association School of Architecture, London, UK. Leire's teaching and research focuses on resilience and sustainability through an engagement with emerging design approaches as well as novel technologies. Her research spans between larger scales of engagement such as urban metabolisms as well as the relationships between health and place through to explorations in digital fabrication as well as tectonic prototyping.



#### David Mah

PANEL 2: Water
Panelist
Senior Lecturer, School of Design,
University of Melbourne

David Mah is a senior lecturer in urban design and architecture at the University of Melbourne's school of design. Previous to the MSD, David was a lecturer at Harvard's Graduate School of Design (2010-2017). While at the GSD, David was also design research lead for the Health and Places Initiative, a research collaboration between the Harvard Graduate School of Design and the Harvard T.H. Chan School of Public Health focused on studying the links between the built environment and health outcomes. He also taught design and theory at Cornell University's department of architecture (2007-2010) and Landscape Urbanism at the graduate design school of the Architectural Association in London (2004-2007).



#### NATIONAL UNIVERSITY OF SINGAPORE

#### UNIVERSITY OF HONG KONG



Tsuto Sakamoto
PANEL 2: Water
Panelist

Associate Professor, Dept. of Architecture, NUS

Tsuto Sakamoto is a Associate Professor at National University of Singapore (NUS). Graduated from Columbia University (M.S.), Waseda University (M.E.) and Tokyo University of Science (B.E.), he practiced in Bernard Tschumi Architects and Stan Allen Architects in New York. Since joining NUS in 2000, he has led and taught design studios in all undergraduate and graduate levels, and conducted research in the area of history, theory and criticism. His ability as an educator is demonstrated through a number of accolades including: Award of Excellence in LIXIL International University Architectural Competition (2013) and NUS Annual Teaching Award (2015). As a designer, he was shortlisted in World Architecture Festival (Future Work Category) (2013), and won Jury's Selection in New York High Line Design Competition (2003) and Young Architects Forum Award, Architectural League of New York (1998). Currently, his design studio education focuses on architectural responses to climatic changes, natural disasters and air pollutions.



Wang Weijen PANEL 2: Water Panelist

Professor, University of Hong Kong

Wang Weijen, FHKIA, HKIUD, AIA, Design Director of Wang Weijen Architecture, Andrew KF Lee Professor in Architecture Design and Director of Center for Chinese Architecture and Urbanism at Faculty of Architecture, University of Hong Kong; received MArch from UC Berkeley, MS and BS from National Taiwan University. He was the Head of Department at HKU, Visiting Professor at University of Montreal, MIT and Taiwan Jiaotong University. He is the Editorial Director of HKIA Journal OCCUPY, chief-Curator of Hong Kong Pavilion for 2018 Venice Architecture Biennale, Curator of 2007 Hong Kong Biennale of Architecture and Urbanism, and Associate at TAC San Francisco 1987-1994. His design projects receive AIA Design Awards, HKIA Design Award, Good Design Award, Far Eastern Architectural Award, China Architectural Media Award, WA Architectural Award, as well as Merit Award from Green Building Council. With research focuses on typology and transformation of Chinese Architecture and Cities, his writings and design works published in Domus, Mark, Stradt Bauwelt, T+A, TA, WA, UED, and Dialogue, including books Refabricating City: a reflection by Oxford University Press, Regenerating Patio: Studies of Macau Historical Urban Fabric, as well as design monographs Urban Courtyardism by UED, AW, and TA.



#### UNIVERSITY OF WASHINGTON TOHOKU UNIVERSITY



Ken Tadashi Oshima Water Breakout Room Host

Professor, Deptartment of Architecture, University of Washington

Ken Tadashi Oshima is Professor of Architecture at the University of Washington, Seattle. Dr. Oshima served as President of the Society of Architectural Historians from 2016-18 and has been a visiting professor at the Harvard Graduate School of Design and taught at Columbia University. From 2003-5, he was a Robert and Lisa Sainsbury Fellow at the Sainsbury Institute for the Study of Japanese Arts and Cultures in London.

Dr. Oshima's publications include Kiyonori Kikutake: Between Land and Sea (2016), Architecturalized Asia (2013), GLOBAL ENDS: towards the beginning (2012), International Architecture in Interwar Japan: Constructing Kokusai Kenchiku (2009) and Arata Isozaki (2009). He curated "Tectonic Visions Between Land and Sea: Works of Kiyonori Kikutake" (Harvard GSD, 2012), "SANAA: Beyond Borders"" (Henry Art Gallery 2007-8), and was co-curator of "Frank Lloyd Wright: Unpacking the Archive" (MoMA, 2017) and "Crafting a Modern World: The Architecture and Design of Antonin and Noemi Raymond" (UPenn, UCSB, Kamakura Museum of Modern Art, 2006-7).



Elizabeth Maly
Water Breakout Room Host

Assoc. Professor, International Research Institute of Disaster Science, Tohoku University

Elizabeth Maly is an Associate Professor at the International Research Institute of Disaster Risk Science, Tohoku University, in Sendai Japan. With the theme of people-centered housing recovery, her research interests are communitybased housing recovery and temporary, transitional and permanent housing provision within reconstruction--including policy, process and housing form--that support successful life recovery for disaster-affected people. Past and current research focuses on the experiences of people affected by disaster, and the roles of government and NGOs in the processes of housing reconstruction and resettlement after disasters in the U.S.A, Indonesia, Philippines, and Japan.



#### PONTIFICAL CATHOLIC UNIVERSITY OF CHILE



Renato D'Alencon
PANEL 3: Multi-Hazard
Moderator and Panelist

Professor, Deputy Director, School of Architecture, Pontifical Catholic University of Chile

Renato D'Alençon Castrillón is an Architect, graduated from the School of Architecture of the P. Universidad Católica de Chile, and M. Arch. graduated from Cornell University. He was awarded a Fulbright Grant from 2002 to 2004 to pursue his Master's, and a Deutscher Akademischer Austausch Dienst Grant to pursue a PhD Degree in the Technische Universität Berlin. He has taught Design Studios and Building Technology at Pontificia Universidad Católica de Chile in the areas of architectural design and building technology. He has been Guest Faculty at the University of Chile, Politecnico di Milano and Technische Universität Berlin. He currently works at Universidad Católica de Chile in research, teaching and as Academic Deputy Director. His field of scholarly work includes environmental design and performance of buildings, area where he published the book "Acondicionamientos" (Ediciones ARQ, Santiago 2008) and several articles; the recovery and development of heritage building systems, an area which has published the book "Eingewanderte Baumeister" (DOM Publishers, Berlin 2014) and other publications product of his research in catastrophes management and heritage recovery (Reclaiming Heritage); and in the area of Circular Economy in Architecture, in which he leads the research group "RRR: Economía Circular en Arquitectura".



Roberto Moris
PANEL 3: Multi-Hazard
Moderator and Panelist

Professor, Pontifical Catholic University of Chile

Roberto MORIS He is an architect of the Pontifical Catholic University of Chile, Master in City Design and Social Sciences of the London School of Economics, and Ph.D. student in Civil Engineering from the University of Granada. He is an expert on integrated planning, carrying capacity models, sustainability, and resilience. He has worked with the UNDP, World Bank, and IADB. He was Technical Secretary of the Cities and Territory Ministers Committee and National Director of Urban Projects at the Chilean Ministry of Housing and Urban Development. He was responsible for the creation of the first Urban Planning academic program in Chile and the founder of the Chilean Planners Network. He is a professor at the School of Architecture and the Institute of Urban and Territorial Studies. He was Principal Investigator of the National Research Center for Integrated Risk Management, Director of Cities Observatory UC, and the Plans and Urban Projects Program UC.



## NATIONAL CHENG KUNG UNIVERSITY



Cheng-Luen Hsueh
PANEL 3:Multi-Hazard, Panelist

Associate Professor, National Cheng Kung University

Cheng-Luen Hsueh is Associate Professor in the Department of Architecture, National Cheng Kung University in Taiwan. He is also an architect and urban designer whose interest is in Cinemetric thinking in exploring the embedded relationships, as well as in designing resilience within the Asian environment. Hsueh has an MS in Architectural and Urban Design from Columbia University as well as a BS in Architecture from the National Cheng Kung University where he now works as studio coordinator.

## NATIONAL UNIVERSITY OF SINGAPORE



Shinya Okuda PANEL 3:Multi-Hazard, Panelist

Associate Professor, National University of Singapore

A/P Okuda is registered architect in Japan and the Netherlands, have practiced with Pritzker prize architects, such as Herzog & de Meuron in Switzerland and Shigeru Ban architects in Japan, prior to joining the NUS in 2008. A/P Okuda and his studios past projects include internationally patented Bio Shell (Biodegradable shelter, 2012), award-winning Cloud Arch (Ultra-light long-span structure, 2014), publicly acclaimed Groove Light project at i Light Marina Bay in Singapore (2016). A/P Okuda is appointed as Principal Investigator to develop one of the first Tropical Mass Timber Construction systems by Ministry of National Development, Singapore (Sky Timber project, 2016-). Honor received by A/P Okuda includes being the co-winner of Archifest Pavilion, Singapore (2014), a finalist of President's Design Award for architecture, Singapore (2010), Excellence Award, Asian Design Awards, Hong Kong Designers Association, Hong Kong (2009), the 3rd prize at the International Advanced Architecture Competition, Barcelona, Spain (2007) among many others. He is one of the leaders of Advanced Architectonics Design Lab (AADL).

#### TOHOKU UNIVERSITY



Toshikazu Ishida PANEL 3:Multi-Hazard, Panelist

Professor, Dept. of Architecture and Building Science, Tohoku University

Toshikazu Ishida is a professor at the Department of Architecture and Building Science, Tohoku University. In 1992, he was invited as a Research Fellow to the Faculty of Architecture, Delft Technology University in the Netherlands where he engaged in the research on the origin and evolution of Dutch Modern Architecture and Urbanism. After return to Japan he earned his Doctor of Engineering (Dr-Eng), Architecture, from the University of Tokyo in 1996. He focuses his research on: Amphibious Living and Water Resilient Settlement in the Netherlands, Energy Smart Urbanism, Green Building Design, Energy Harvesting Technology, User immersive energy communication environment with visualization design. He has received professional awards in Japan and in the Netherlands. His major research outcome includes Rotterdam IABR 2012 project of Post 311 Sendai OASIS an Urban Restructuring Design proposal for Sendai city, based on the Green Infrastructure and Renewable Energy source in the Post 311 disaster in Tohoku.



#### TOHOKU UNIVERSITY



Osamu Murao

Muti-Hazard Breakout Room Host

Professor, Founder of International Strategies for Disaster Mitigation Laboratory, Tohoku University

Dr. Osamu Murao is a professor at the International Research Institute of Disaster Science (IRIDeS) at Tohoku University, which was established in order to disseminate learning from the 2011 East Japan Earthquake and Tsunami Disaster, and the founder of the International Strategy for Disaster Mitigation Laboratory (ISDM). Together with collaborating organizations from many countries and with broad areas of specializations, the IRIDeS conducts world-leading research on natural disaster science and disaster mitigation. In order to be in charge of ISDM in Regional and Urban Reconstruction Research Division, Dr. Murao was transferred to IRIDeS from Faculty of Engineering, Information and Systems at the University of Tsukuba in April 2013. His current researches focus on post-disaster recovery process and urban design, and the relationship between physical environment (architecture and urban design) and disaster. To date, with research grants by Ministry of Education, Culture, Sports, Science and Technology of Japan, and other organizations, he has investigated the post-disaster recovery process for damaged areas in Taiwan, Turkey, Sri Lanka, Thailand, Indonesia, Peru, Philippines, and World Trade Center in New York, as well as the 2011 Great East Japan Earthquake.

#### **UCLA**



Dana Cuff

Muti-Hazard Breakout Room Host

Professor, Department of Architecture and Urban Design, UCLA; Director, cityLAB, UCLA

Dr. Cuff has engaged the cultural studies of architecture as a teacher, scholar, practitioner, and activist. Her leadership in urban innovation is widely recognized both in the U.S. and abroad. In 2006, Cuff founded cityLAB, a research and design center that initiates experimental projects to explore metropolitan possibilities. cityLAB is currently developing sustainable, highperformance, low-cost housing prototypes for infill sites ranging from backyards to schoolyards. In 2017, after a decade of research that included a full-scale demonstration house built on the UCLA campus, Cuff co-authored California State legislation, effectively opening 8.1M singlefamily lots for secondary rental units. cityLAB represented the United States at the 2010 Venice Architecture Biennale, was featured on CNN and in Newsweek magazine, and was named one of the top four urban think tanks in the country by Architect Magazine.

Since 2013, Cuff has led a cross-disciplinary team at UCLA with a substantial multi-year award from The Mellon Foundation for the "Urban Humanities Initiative." UHI offers students from architecture, urban studies, and the humanities a Graduate Certificate for innovative study of collective life in Pacific Rim megacities.

### RESPONDENTS



**TOSHIYA UEKI** (EXECUTIVE VICE PRESIDENT, TOHOKU UNIVERSITY)

NORIKO OSUMI (VICE PRESIDENT OF TOHOKU UNIVERSITY)

**TAKAKO IZUMI** (ASSOCIATE PROFESSOR, APRU: MULTI HAZARDS DIRECTOR)

MAHORO UCHIDA (CURATOR, EXHIBITION MANAGER)

ALI MOSLEH (DISTINGUISHED UNIVERSITY PROFESSOR AND EVELYN KNIGHT CHAIR IN ENGINEERING AT UCLA)

DIRECTOR OF THE B. JOHN GARRICK INSTITUTE FOR THE RISK SCIENCES AT UCLA)

**SAEED NOZHATI** (POSTDOCTORAL RESEARCH SCHOLAR, INSTITUTE FOR THE RISK SCIENCES AT UCLA)

CHANDLER MCWILLIAMS (ADJUNCT ASSISTANT PROFESSOR, DESIGN MEDIA ARTS, UCLA)

**AARON GROSS** (CHIEF RESILIENCE OFFICER, CITY OF LOS ANGELES)

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**WANLING WANG (DOCTORATE STUDENT, TSINGHUA UNIVERSITY)** 

**ROBERT HUTCHISON** (ASSOCIATE PROFESSOR, DEPARTMENT OF ARCHITECTURE, UNIVERSITY OF WASHINGTON)

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**DONALD BATES** (PROFESSOR, CHAIR OF ARCHITECTURAL DESIGN, MELBOURNE SCHOOL OF DESIGN, UNIVERSITY OF MELBOURNE)

**LUIS EDUARDO BRESCIANI** (PRESIDENT OF NATIONAL COUNCIL OF URBAN DEVELOPMENT / DIRECTOR, SCHOOL OF ARCHITECTURE, PONTIFICAL CATHOLIC UNIVERSITY OF CHILE)

MARGARITA GREENE (PROFESSOR, PONTIFICAL CATHOLIC UNIVERSITY OF CHILE)

**ASHOK DAS** (ASSOCIATE PROFESSOR, DEPARTMENT OF URBAN AND REGIONAL PLANNING, UNIVERSITY OF HAWAII AT MĀNOA )



#### GENERAL COORDINATORS



Fumihiko Imamura

Director, International Research Institute of Disaster Science, Tohoku University





Sinovu Nakanishi

Architect, **Executive Director** Miraikan-National Museum of Emerging Science and Innovation, **Project Producer** Tokyo Biennale 2020/2021

Sinovu Nakanishi is an Executive Director of Miraikan (National Museum of Emerging Science and Innovation, Tokyo) with five years of experience directing the departments of curation, science & technology, education and communication. Sinovu specializes in architectural design and art produce, and is responsible as project producer for Tokyo Biennale 2020/2021, an art festival in Tokyo held every two years





Professor, Department of Architecture and Urban Design at UCLA Director, xLAB

Hitoshi Abe, Professor and former Chair in the Department of Architecture and Urban Design at the School of Arts and Architecture and the Director of the UCLA Paul I. and Hisako Terasaki Center for Japanese Studies. He also holds the Terasaki Chair for contemporary Japanese study. Since 1992, when Dr. Hitoshi Abe won first prize in the Miyagi Stadium Competition and established Atelier Hitoshi Abe, he has maintained an active international design practice based in Sendai, Japan, as well as a schedule of lecturing and publishing, which place him among the leaders in his field. He opened a second office in Los Angeles in 2008 to work on a series of projects outside of Japan including invited competitions and exhibition installations. Known for architecture that is spatially complex and structurally innovative, the work of Atelier Hitoshi Abe has been published internationally and received numerous awards. His recent works include a departmental building on the New Campus of the Vienna University of Economics and Business (WU), the 3M Headquarters building in St. Paul, Minnesota and Terasaki Institute Headquarters building in Los Angels.

In 2016, he established xLAB at UCLA, international think tank thatexamines architecture's elastic boundaries considers new possibilitiesthrough creation of interdisciplinary platforms for the study of the future of the built environment. xLAB's research focuses on the trajectory of changing architectural discipline, where it overlapswith the studies of environmental changes, physical reality and technology.





















#### **PROGRAM ADVISORS**



Ali Mosleh

Distinguished University Professor and Evelyn Knight Chair in Engineering, UCLA, Director of the B. John Garrick



Osamu Murao

Professor, Founder of International Strategies for Disaster Mitigation Laboratory, Tohoku University



Professor, Dept. of Architecture and Building Science, Tohoku University

#### ARCDR<sup>3</sup> PUBLICATION CHIEF EDITOR

Institute for the Risk Sciences, UCLA



**Mohamed Sharif** 

Assistant Adjunct Professor, Dept. of Architecture and Urban Design, UCLA

## PROGRAM COORDINATORS



LENA POZDNYAKOVA

Chief ArcDR<sup>3</sup> Initiative Coordinator, xLAB Programs Coordinator, Department of Architecture and Urban Design, UCLA



MARTIN GARCIA-FRY

ArcDR<sup>3</sup> Initiative Program Coordinator, IRIDeS, Tohoku University



TOMOKA SATO

ArcDR<sup>3</sup> Initiative Administrative Assistant, IRIDeS Tohoku University We hope to see you at the event!

**EVENT LIVESTREAM LINK** 



If you have any questions, please contact us - xlab@aud.ucla.edu