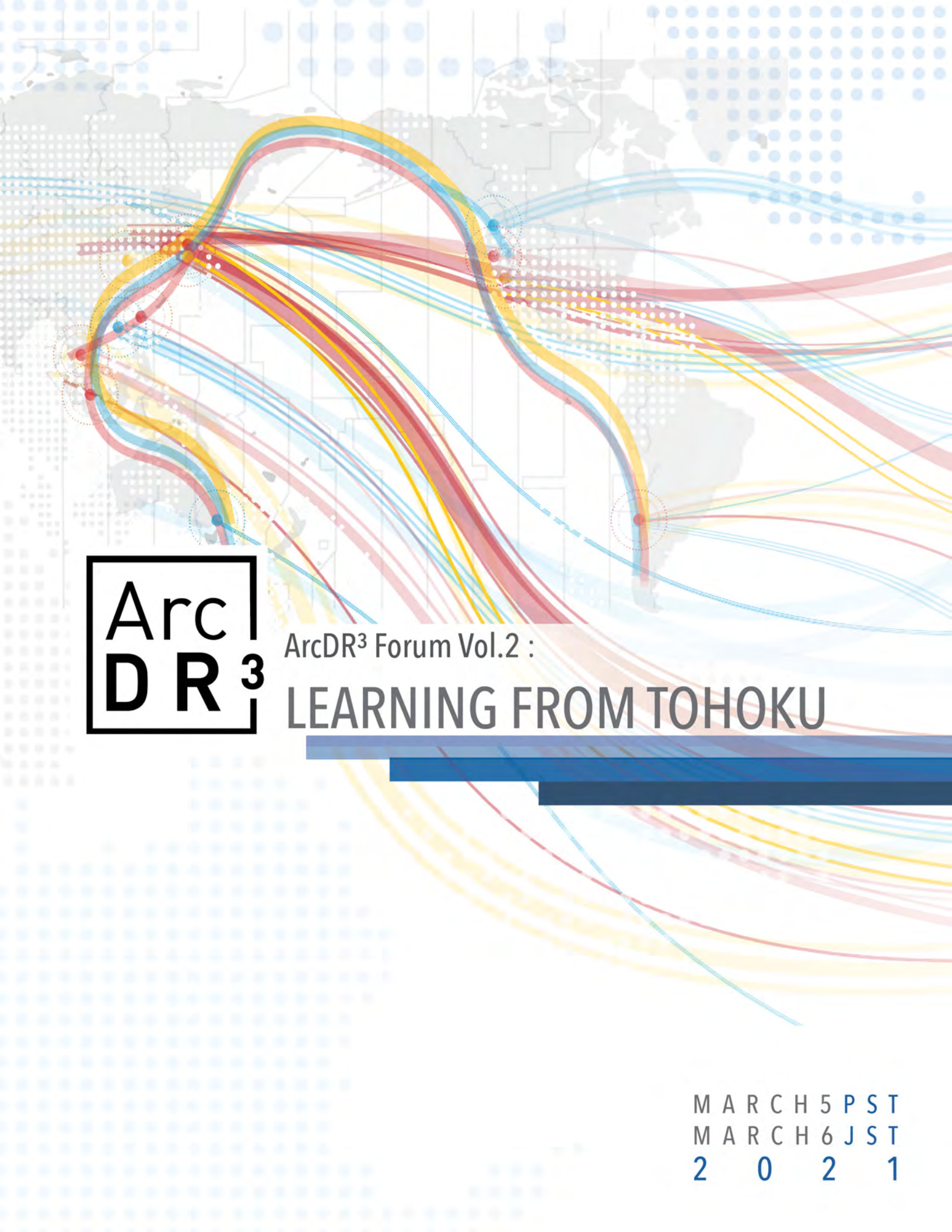

ArcDR³

ArcDR³ Forum Vol.2 :

LEARNING FROM TOHOKU

MARCH 5 PST
MARCH 6 JST
2021

TABLE OF CONTENTS

01: ABOUT ARCDR³ INITIATIVE

02: ARCDR³ FORUM VOL.2
LEARNING FROM TOHOKU

> TIME ZONES AND OUTLINE OF THE PROGRAM

> PROGRAM

> FORMAT

03: PARTICIPANTS AND PARTNERS

About ArcDR^3

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 ArcDR^3 Initiative as a part of the APRU Multi-Hazards Program.

ArcDR^3 (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^3 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 the ArcDR^3 Grand Syllabus to be adopted and modified by each participating institution in its local context.

Arc DR 3

About the FORUM

ArcDR³ Forum Vol.2:

LEARNING FROM TOHOKU

02:

Convened near the 10th anniversary of the 3.11 Great East Japan Earthquake and Tsunami of March 11, 2011, ArcDR3 Forum Vol.2: Learning from Tohoku is one of a series of ArcDR³ events related to the research, symposia, and exhibitions organized by the Initiative.

The aims of ArcDR3 Forum Vol.2: Learning from Tohoku are to share experiences of the Great East Japan Earthquake and the first 10 years of the recovery process in the Tohoku region of Japan, and to create a venue for the active exchange of information and discussion with ArcDR3 members from the 11 participating universities in the Pacific region. Each facing their localized natural hazard risks, ArcDR3 members will share outcomes and reflections drawn from architecture and urban design studios that focused on local risk contexts.

The largest city in the area affected by the 3.11 disaster, Sendai City has also played a key role in promoting the international dialogue of Disaster Risk Reduction (DRR), including the establishment of the Sendai Framework for Disaster Risk Reduction 2015-2030 during the 3rd World Conference on Disaster Risk Reduction in 2015. Another DRR initiative, the Sendai Mirai Forum 2021: "For a Better Future: 10 years Since the Great East Japan Earthquake," will be held at the same time as the ArcDR³ Forum Vol.2. Sharing the themes of housing and community, infrastructure and memorialization with the Sendai Mirai Forum 2021, anticipated outcomes of the ArcDR³ Forum Vol.2: Learning from Tohoku include a statement in support of the Sendai Mirai Forum, as well as suggestions from each of the thematic sessions towards the future improvement and strengthening of the goals of the Sendai Framework for 2030.

Arc DR 3

PROGRAM OUTLINE / TIME ZONES

TIME ZONE	UTC +9 TOKYO, TOHOKU	UTC -8 BERKELEY, LOS ANGELES, WASHINGTON	UTC -3 SANTIAGO	UTC +11 MELBOURNE	UTC +8 BEIJING, HONG KONG, SINGAPORE, TAIPEI
START	9 AM	4 PM	9 PM	11 AM	8 AM
END	12:30 PM	7:30 PM	12:30 AM	2:30 PM	11:30 AM

PROGRAM OUTLINE

WELCOME AND INTRODUCTION

IRIDeS, TOHOKU UNIVERSITY MIRAIKAN NATIONAL MUSEUM OF EMERGING SCIENCE AND INNOVATION	9:00 AM - 9:15 AM	4:00 PM- 4:15 PM	9:00 PM- 9:15 PM	11:00 AM- 11:15 AM	8:00 AM- 8:15 AM
PANEL 1: HOUSING AND COMMUNITY RECOVERY PRESENTATION: TOHOKU UNIVERSITY PANELISTS: UC BERKELEY, UNIVERSITY OF WASHINGTON, HONG KONG NATIONAL UNIVERSITY, NATIONAL CHENG KUNG UNIVERSITY	9:15 AM - 10:10 AM	4:15 PM- 5:10 PM	9:15 PM- 10:10 PM	11:15 AM- 12:10 PM	8:15 AM- 9:10 AM
SENDAI DESIGN LEAGUE AT SENDAI MEDIATEQUE	10:10 AM - 10:20 AM	5:10 PM- 5:20 PM	10:10 PM- 10:20 PM	12:10 PM- 12:20 PM	9:10 AM- 9:20 AM
PANEL 2: INFRASTRUCTURE RECOVERY PRESENTATION: TOHOKU UNIVERSITY PANELISTS: UCLA, TOHOKU UNIVERSITY, THE UNIVERSITY OF TOKYO, MELBOURNE UNIVERSITY, NATIONAL UNIVERSITY OF SINGAPORE	10:20 AM - 11:15 AM	5:20 PM- 6:15 PM	10:20 PM- 11:15 PM	12:20 PM- 1:15 PM	9:20 AM- 10:15 AM
BREAK					
PANEL 3: DISASTER AND MEMORIALIZATION PRESENTATION: TOHOKU UNIVERSITY PANELISTS: TSINGHUA UNIVERSITY, PONTIFICAL CATHOLIC UNIVERSITY OF CHILE, UCLA	11:25 AM - 12:20 PM	6:25 PM- 7:20 PM	11:25 PM- 12:20 AM	1:25 PM- 2:20 PM	10:25 AM- 11:20 AM
NEXT STEPS AND CLOSING REMARKS xLAB,UCLA, TOHOKU UNIVERSITY	12:20 PM - 12:30 PM	7:20 PM- 7:30 PM	12:20 AM- 12:30 AM	2:20 PM- 2:30 PM	11:20 AM- 11:30 AM

BREAKOUT ROOMS FOR THREE PANELS

All participants and respondents will have access to the Breakout Rooms in ZOOM. Breakout rooms are organized during the three Panels: HOUSING AND COMMUNITY RECOVERY, INFRASTRUCTURE RECOVERY, and DISASTER AND MEMORIALIZATION. Each Breakout Room will have two Hosts, who will be facilitating the discussions

Breakout Rooms are intended to provide networking opportunities and space for informal conversation. The Program Schedule identifies one 10-minute break, however, the breakout rooms will be open for the duration of the event.

	UTC +9 TOKYO, TOHOKU	UTC -8 BERKELEY, LOS ANGELES, WASHINGTON	UTC -3 SANTIAGO	UTC +11 MELBOURNE	UTC +8 BEIJING, HONG KONG, SINGAPORE, TAIPEI
	9 AM	4 PM	9 PM	11 AM	8 AM
INTRODUCTION AND WELCOME					
PANEL 1: HOUSING AND COMMUNITY RECOVERY BREAKOUT ROOM	BREAKOUT ROOM IS OPEN				
SENDAI DESIGN LEAGUE AT SENDAI MEDIATEQUE					
PANEL 2: INFRASTRUCTURE RECOVERY BREAKOUT ROOM	BREAKOUT ROOM IS OPEN				
10 MINUTE BREAK					
PANEL 3: DISASTER AND MEMORIALIZATION BREAKOUT ROOM	BREAKOUT ROOM IS OPEN				
CLOSING REMARKS					
EVENT ENDS	12:30 PM	7:30 PM	12:30 AM	2:30 PM	11:30 AM

HOSTS:
Ken Oshima, Professor, Department of Architecture, University of Washington
Ulrich Kirchhoff, Assistant Professor, Department of Architecture, The University of Hong Kong

HOSTS:
Ho Puay Peng, Head of Department, Department of Architecture , National University of Singapore
Tsuto Sakamoto, Associate Professor, Department of Architecture, National University of Singapore

HOSTS:
Kian Goh, Assistant Professor, Department of Urban Planning, UCLA
Lan Nguyen, PhD Candidate, Department of Architecture, University of Washington

PROGRAM

EVENT SECTION	PRESENTER UNIVERSITY	UTC +9 Tokyo, Tohoku	UTC -8 Berkeley, Los Angeles, Washington	UTC -3 Santiago	UTC+11 Melbourne	UTC+8 Beijing, Hong Kong, Singapore, Taipei
INTRODUCTION						
Welcoming Words and Introductory Notes	**Fumihiko Imamura** (IRIDeS, Tohoku University)	9:00 AM	4:00 PM	9:00 PM	11:00 AM	8:00 AM
	Shinobu Nakanishi (MIRAIKAN, The Museum of Emerging Science and Innovation)	9:05 AM	4:05 PM	9:05 PM	11:05 AM	8:05 AM
Event MC: **Liz Maly** (Associate Professor, IRIDeS, Tohoku University)						
PANEL 1: HOUSING AND COMMUNITY RECOVERY						
Moderator: **Liz Maly** (Associate Professor, IRIDeS, Tohoku University)						
Presentation 1	Presenter: **Haruka Tsukuda** (Associate Professor, Department of Architecture and Building Science, Tohoku University)	9:15 AM	4:15 PM	9:15 PM	11:15 AM	8:15 AM
Discussion with Panelists	Panelists: **Ronald Rael** (Eva Li Memorial Chair, Professor, Department of Architecture, UC Berkeley), **Daniel Abramson** (Associate Professor, Department of Architecture, University of Washington); **Weijen Wang** (Professor, Department of Architecture, The University of Hong Kong); **George C. Yao** (Distinguished Professor, Department of Architecture National Cheng Kung University)	9:30 AM	4:30 PM	9:30 PM	11:30 AM	8:30 AM

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EVENT SECTION	PRESENTER UNIVERSITY	UTC +9 Tokyo, Tohoku	UTC -8 Berkeley, Los Angeles, Washington	UTC -3 Santiago	UTC+11 Melbourne	UTC+8 Beijing, Hong Kong, Singapore, Taipei
Design League at Sendai Mediateque	**Natsuki Iwami** (Executive Chair of the Sendai Design League/SDL)	10:10 AM	5:10 PM	10:10 PM	12:10 PM	9:10 AM

PANEL 2: INFRASTRUCTURE RECOVERY

Moderator: **Mohamed Sharif** (Assistant Adjunct Professor, Department of Architecture and Urban Design, UCLA)

Presentation 2	Presenter: **Shunichi Koshimura** (Professor, International Research Institute of Disaster Science, Tohoku University)	10:20 AM	5:20 PM	10:20 PM	12:20 PM	9:20 AM
Discussion with Panelists	Panelists: **Toshikazu Ishida (**Professor, Deptartment of Architecture and Building Science,Tohoku University), **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); **Toshio Otsuki** (Professor, Graduate School of Engineering, The University of Tokyo); **David Mah** (Senior Lecturer, School of Design, Melbourne University); **Shinya Okuda** (Associate Professor, Department of Architecture, National University of Singapore)	10:35 AM	5:35 PM	10:35 PM	12:35 PM	9:35 AM
BREAK		11:15 AM	6:15 PM	11:15 PM	1:15 PM	10:15 AM

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EVENT SECTION	PRESENTER UNIVERSITY	UTC +9 Tokyo, Tohoku	UTC -7 Berkeley, Los Angeles, Washington	UTC -4 Santiago	UTC+10 Melbourne	UTC+8 Beijing, Hong Kong, Singapore, Taipei
PANEL 3: DISASTER AND MEMORIALIZATION						
Moderator: **Takako Izumi** (Associate Professor, IRIDeS, Tohoku University, APRU Multi Hazards Program Director)						
Presentation 3	Presenter: **Masashige Motoe** (Associate Professor, Department of Architecture and Building Science, Tohoku University)	11:25 AM	6:25 PM	11:25 PM	1:25 PM	10:25 AM
Discussion with Panelists	Panelists: **Michael Osman** (Associate Professor, Department of Architecture and Urban Design, UCLA); **Renato D`Alencon** (Deputy Director, Professor, School of Architecture, Pontifical Catholic University of Chile); **Roberto Moris** (Professor, School of Architecture, Pontifical Catholic University of Chile); **Luo Deyin** (Associate Professor, School of Architecture, Tsinghua University)	11:40 AM	6:40 PM	11:40 PM	1:40 PM	10:40 AM
CLOSING REMARKS						
Closing Remarks	**Toshiya Ueki** (Professor, Executive Vice President, Tohoku University)	12:20 PM	7:20 PM	12:20 AM	2:20 PM	11:20 AM
Next Steps and Farewell	**Hitoshi Abe** (Professor, Director, xLAB, Department of Architecture and Urban Design, UCLA)	12:25 PM	7:25 PM	12:25 AM	2:25 PM	11:25 AM
Symposium Ends		12:30 PM	7:30 PM	12:30 AM	2:30 PM	11:30 AM

Arc DR3

PEOPLE

STREAMING LINK

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

P R E S E N T E R S

TOHOKU UNIVERSITY

Dr. Haruka Tsukuda

PANEL 1:
HOUSING AND COMMUNITY RECOVERY

Associate Professor, Department of Architecture and Building Science, Tohoku University

Dr. Haruka Tsukuda is an associate professor of architecture at Tohoku University in Sendai Japan. She received her doctorate degree from the University of Tokyo in 2012, and since then she has been engaged in research and projects in the realm of housing and disaster reconstruction. She has been part of supporting the reconstruction projects in multiple municipalities affected by the 2011 Great East Japan Earthquake and Tsunami, proposing new model plans to challenge the designs of conventional mass housing, as well as housing strategies for an aging society.

Dr. Shunichi Koshimura

PANEL 2:
INFRASTRUCTURE RECOVERY

Professor, International Research Institute of Disaster Science.
Tohoku University

Dr. Shunichi Koshimura received Ph.D. degree from the Graduate School of Engineering, Tohoku University in 2000. After graduating Tohoku University, he started his career as a JSPS research fellow in Earthquake Research Institute, the University of Tokyo, and a researcher in Pacific Marine Environmental Laboratory (PMEL), NOAA, USA. In 2005, He joined the Graduate School of Engineering, Tohoku University as an associate professor, then in 2012, the International Research Institute of Disaster Science, Tohoku University, as a professor. Dr. Koshimura carries out his research specifically on tsunami disaster. His main focus is on developing a real-time tsunami inundation forecasting system with HPCI (High Performance Computing Infrastructure) and on estimating social impacts of tsunami inundation by integrating numerical modeling, earth observation and geo-informatics. He is also a Co-Founder of RTi-cast, a technology firm to offer real-time tsunami inundation damage forecast services to government organizations and commercial clients.

Dr. Masashige Motoe

PANEL 3:
DISASTER AND MEMORIALIZATION

Associate Professor, Department of Architecture and Building Science, Tohoku University

Dr. Masashige Motoe, Associate Professor, Department of Architecture and Building Science, Graduate School of Engineering, Tohoku University; 1989 Graduated from the University of Tokyo; 1993 Withdrew from Doctor course, Department of Architecture, Graduate school of Engineering, the University of Tokyo. 1993-2001 Research Associate at the University of Tokyo; 2001-2005 Lecturer at Miyagi University; 2005 Ph.D. of Environmental studies; 2006-Associate Professor at IT Communication Lab at Department of Architecture and Building Science, Graduate School of Engineering, Tohoku University in Sendai, Japan. 2010-2014 Principal at Sendai School of Design in Sendai, Japan. Dr. Motoe has been supporting various community facilitation and design activities in the areas affect by the 3.11 GEJE, and has been closely involved in several memorialization initiatives, including exhibits in the 3.11 Community Center in Sendai, and the museum in the former Nakahama Elementary School in Yamamoto Town.

PANEL 1: HOUSING AND COMMUNITY RECOVERY

P A N E L I S T S

UC BERKELEY

Ronald Rael

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 WASHINGTON

Daniel B. Abramson

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, or otherwise 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 FEMA- and NSF-funded research on new protocols for state agencies and communities to envision earthquake- and tsunami-resilient development.

PANEL 1: HOUSING AND COMMUNITY RECOVERY

P A N E L I S T S

UNIVERSITY OF HONG KONG

Wang Weijen

Professor, Department of Architecture, 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.

NATIONAL CHENG KUNG UNIVERSITY

George C. Yao

Distinguished Professor, Department of Architecture, National Cheng Kung University

George C. Yao is a professor in the Department of Architecture at the National Cheng Kung University.
He received his Ph.D. degree in Civil Engineering from the University of Buffalo, USA. He is also the chief editor of a national accredited journal, Journal of Architecture. In the past 15 years, his research is devoted to the application of structural technique, such as structure analysis and modal testing, on non-structural component improvement against earthquakes. Several patents were developed as a result of his research. He also serves as an earthquake consultant for several high-tech factories in Taiwan. In the last two years, he participated in an international working group to develop an ISO standard for non-structural element.

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PANEL 1: HOUSING AND COMMUNITY RECOVERY

M O D E R A T O R

TOHOKU UNIVERSITY

Elizabeth Maly

Associate 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 community-based 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.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 1: HOUSING AND COMMUNITY RECOVERY

BREAK-OUT ROOM HOSTS

UNIVERSITY OF WASHINGTON

Ken Tadashi Oshima

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).

UNIVERSITY OF WASHINGTON

Ulrich Kirchhoff

Assistant Professor, Department of
Architecture,
The University of Hong Kong

Ulrich Kirchhoff is assistant professor and year coordinator at HKU, as well as the founder of ICE – Ideas for Contemporary Environments. He combines academic research and professional practice in his exploration of emergent tower typologies and high density habitats.

With nearly twenty years of work experience in Asia, he was the head of design at OMA Asia/RAD where he designed several large scale commercial projects (including the first W-Hotel in Asia and the SK Telecom Headquarter and the Jeonju University Campus Centre).

His research interests focus on the city, high density environments and large scale architecture and their structural systems. Specific focus are on pencil tower and podium tower typologies.

In 2007 Ulrich received the 40 under 40 award. In 2010 he participated at the Venice Biennale 'Radical Mix' with a design driven research conducted with his students from the EPF Lausanne. The project investigated high density high rise developments in cities with high density low rise context. In 2011 he was awarded with the Bloomberg Asia Pacific Property Award for the best mixed-use development in Vietnam. In 2017 he received BEAM Plus Platinum as the highest environmental grading for the residential development at 48 Caine Road, Central, Hong Kong.

Ulrich represents HKU in several government committees such as ACABAS (Advisory Committee on the Appearance of Bridges and Associated Structures) and APRC (Authorised Person Committee).

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

SENDAI DESIGN LEAGUE EXHIBITION AT SENDAI MEDIATEQUE

Natsuki Iwami

Executive Chairperson of the Sendai Design League (SDL)

Natsuki Iwami is a 3rd year undergraduate student of architecture at Tohoku Institute of Technology in Sendai, Japan. Having lived in Sendai her entire life, she is a member of the Sendai Student Network of Architecture and Urbanism (SSNAU), and the executive chairperson of the Sendai Design League (SDL) 2021.

Yasuaki Onoda

Professor, Department of Architecture and Building Science, Tohoku University

Yasuaki Onoda is a noted architectural planner in contemporary 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, the Chinese version of his AIJ award book, "Pre-Design Thinking of Architecture" was 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.

PANEL 2: INFRASTRUCTURE RECOVERY

P A N E L I S T S

TOHOKU UNIVERSITY

Toshikazu Ishida

Professor, Department of Architecture and Building Science, Tohoku University

Toshikazu Ishida is a Professor in 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 research on the origin and evolution of Dutch Modern Architecture and Urbanism. After returning 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.

UCLA

Ali Mosleh

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

Ali Mosleh is a Distinguished University Professor and Evelyn Knight Chair in Engineering at UCLA, where he is also the director of the Garrick Institute for the Risk Sciences. Previously he was the Nicole J. Kim Eminent Professor of Engineering and Director of the Center for Risk and Reliability at the University of Maryland. He was elected to the US National Academy of Engineering in 2010 and is a Fellow of the Society for Risk Analysis, and the American Nuclear Society, recipient of several scientific achievement awards, and technical advisor to numerous national and international organizations. He conducts research on methods for risk and reliability analysis of complex systems and has made contributions in diverse fields of theory and application. He holds several patents and has authored over 600 publications.

PANEL 2: INFRASTRUCTURE RECOVERY

P A N E L I S T S

UNIVERSITY OF TOKYO

Toshio Otsuki

Professor, Graduate School of Engineering, University of Tokyo

As a professor of department of architecture in the Graduate School of Engineering, the University of Tokyo, Dr. Otsuki is participating in the Urban Redesign Studies Unit which is providing an education of master course students from departments 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 Iwate Prefecture, and also committed to the disaster recovery public 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.

UNIVERSITY OF MELBOURNE

David Mah

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

Shinya Okuda

Associate Professor, Department of Architecture, National University of Singapore

A/P Okuda is a registered architect in Japan and the Netherlands, has 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 the Ministry of National Development, Singapore (Sky Timber project, 2016-). Honors received by A/P Okuda include 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).

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 2: INFRASTRUCTURE RECOVERY

M O D E R A T O R

UCLA

Mohamed Sharif

Assistant Adjunct Professor ,
Department of 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, arq, 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.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 2: INFRASTRUCTURE RECOVERY

B R E A K - O U T R O O M

H O S T S

NATIONAL UNIVERSITY OF SINGAPORE

Puay Peng Ho

Head of Department,
Department of Architecture,
National University of Singapore

Having close to 30 years of experience in academia, Puay-Peng's main interest is to integrate research, teaching and practice in his research areas of architectural history and conservation practices. Prior to joining NUS in 2017, Puay-Peng was Professor of Architecture and served as Director of School of Architecture and University Dean of Students at The Chinese University of Hong Kong. Sustaining his research is the quest to understand religious culture and its architectural forms. His main focus is Buddhist architecture and ritual of medieval China. Puay-Peng is a conservation consultant, architect and adviser to some 100 conservation projects in Hong Kong since 2013, including PMQ, Haw Par Villa, Comix Homebase, Oil Street Art Space, Court of Final Appeal, and New Campus for Chicago University Booth School. Puay-peng Ho was also appointed to many public and private boards and committees in Hong Kong, including as Chairman of the Lord Wilson Heritage Trust, member of Town Planning Board, Antiquities Advisory Board, Housing Authority.

Tsuto Sakamoto

Associate Professor,
Department of Architecture, National University of Singapore

Tsuto Sakamoto is an Associate Professor at the 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 change, natural disasters and air pollution.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 3: DISASTER AND MEMORIALIZATION

P A N E L I S T S

TSINGHUA UNIVERSITY

Luo Deyin

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 been 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.

UCLA

Michael Osman

Associate Professor,
Department of Architecture and Urban Design, UCLA

Michael Osman's research in architectural history focuses on the 19th and 20th centuries, with a particular emphasis on buildings and cities in the United States. He seeks connections between the infrastructure that undergirds the processes of modernization and the historiography of modernist architecture. The topics of his writing include: the influence of ecological science on theories of city growth, early instruments for remote sensing, and the architectural profession's relation to modern construction processes. Osman is the author of Modernism's Visible Hand: Architecture and Regulation in America (University of Minnesota Press, 2018), a book on the role buildings have played in developing systems for environmental and economic regulation. He also works on critical problems in modernism's historiography such as his examination of Reyner Banham's use of the term "ecology," an analysis of the metaphysical aspirations latent in twentieth-century writings on concrete, and a forthcoming co-edited volume on the uses of evidence and narrative in architectural history. Osman is one of the founding members of Aggregate: The Architectural History Collaborative, a platform for exploring new methods in architectural history. He co-curated a portion of the exhibition "Frank Lloyd Wright at 150: Unpacking the Archive" at the Museum of Modern Art. His research has been supported by fellowships from the University of California Humanities Research Institute, the National Science Foundation and the Fulbright Program. He currently directs the Department's MA and PhD programs.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 3: DISASTER AND MEMORIALIZATION

P A N E L I S T S

PONTIFICAL CATHOLIC UNIVERSITY OF CHILE

Renato D`Alencon

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

Professor, School of Architecture, Pontifical Catholic University of Chile

Roberto Moris 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.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 3: DISASTER AND MEMORIALIZATION

M O D E R A T O R

TOHOKU UNIVERSITY

Takako Izumi

Associate Professor, International
Research Institute of Disaster Science,
Tohoku University
APRU Multi Hazards Program Director

Takako Izumi is an associate professor at the International Research Institute of Disaster Science (IRIDeS), Tohoku University, Japan since 2013. She also serves as Director of the Multi Hazards Program under the Association of Pacific Lim Universities (APRU), which comprises 50 universities and academic institutes in the Pacific Rim. Her research interests include international and regional frameworks/ strategies for disaster risk reduction (DRR), international humanitarian assistance, and DRR initiatives at the local and community levels.

Previously she worked for international NGO and UN agencies such as UN Habitat, UN Office for the Coordination of Humanitarian Affairs (UNOCHA) for disaster response and its coordination in Asia, and UN Office for the Recovery Coordinator for Aceh and Nias (UNORC) to assist the recovery efforts after the Indian Ocean Tsunami.

She was appointed as a member of UNDRR's Asia-Pacific Science Technology and Academia Advisory Group (ASTAAG) in May 2015. She holds Ph.D. in Global Environmental Study from Kyoto University, Japan.

ArcDR³ FORUM VOL.2: LEARNING FROM TOHOKU

PANEL 3: DISASTER AND MEMORIALIZATION

B R E A K - O U T R O O M H O S T S

UCLA

Kian Goh

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

Lan Nguyen

PhD Candidate, Deptartment of Architecture,
University of Washington

Lan T. Nguyen is a doctoral student at the University of Washington, Seattle in Urban Design and Planning. She is a community scholar-activist who works in and with community for social and spatial equitable change in the context of global urbanization, climate change, and disasters. As a professional community development planner in California, she learned that sustainable development is community-driven with support from outside organizations with resources and power. Her dissertation is on community social and physical assets for disaster preparedness in urban and rural Washington State. Recent publications include articles on adaptive planning and anticipatory action regimes in the Pacific Rim and advances of international collaboration on M9 disaster science in the Journal of Disaster Research. She has a book chapter in press about making sense of the COVID-19 pandemic and cities in Routledge Handbook of Sustainable Cities and Landscapes in the Pacific Rim. She volunteers with Black, Indigenous, people of color (BIPOC)-led health organizations to advance equitable development for marginalized communities who disproportionately experience the negative impacts of urbanization and climate change. She has worked in the California, Washington, Mali, and the Philippines. She earned a master's degree in Urban and Regional Planning at the University of California, Irvine. Her greatest teachers are her parents who taught her Vietnamese ancestral farming techniques so that she can care for her family and others.

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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 , an international think tank thatexamines architecture's elastic boundaries and considers new possibilitiesthrough creation of interdisciplinary platforms for the study of the future ofthe built environment. xLAB's research focuses on the trajectory of changingarchitectural discipline, where it overlapswith the studies of environmental changes,physical reality and technology.

Fumihiko Imamura

Director, International Research Institute of Disaster Science, Tohoku University

Prof. Fumihiko Imamura finished his PhD study at Tohoku University, Japan in 1989. He was promoted to a full professor of Tohoku University in 2000 and now is the director of the International Research Institute of Disaster Science (IRIDeS) at Tohoku University since April 2014, and also is a professor of Tsunami Engineering. He is an expert on tsunami modeling for warning, mitigation planning and education/awareness. He has conducted several field surveys as the leader for earthquakes and tsunami damage investigation since the 1992 Nicaragua and Indonesia. And He is a secretary, international TIME-project (Tsunami Inundation Modeling Exchange) supported by IOC and IUGG Tsunami commission. He is a member of the Science Council of Japan, Science member of the Central Disaster Management Council in Japan, and was the president of Japan Society for Natural Disaster Science 2008-2011. After the 2011 Tohoku earthquake, He was a member of a study group of the reconstruction design council in response to the 2011 Tohoku earthquake at the Cabinet Office, and the committee for technical investigation on Countermeasures for Earthquakes and Tsunamis of the Central Disaster Management Council.

Shinobu Nakanishi

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

Shinobu 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. Shinobu 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

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We hope to see you at the event!

STREAMING LINK

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