ARCC-EAAE 2022 International Conference Resilient City: Physical, Social, and Economic Perspectives

Virtual Session 1 May 23, 2022

ARCC-EAAE 2022_ Virtual Session Schedule

11:00am-6:00pm EDT Monday, May 23, 2022

> Monday, May	23, 2022	
Time (EDT)	Virtual Room	Event/Session
11:00am-11:15am	Opening	WELCOME (BACK) + OPENING REMARKS
	1 0	Chris Jarrett, President, Architectural Research Centers Consortium (ARCC)
		Oya Atalay, President, European Association for Architectural Education (EAAE)
		Marilys Nepomechie and Shahin Vassigh, Co-Chairs, ARCC-EAAE 2022
11:15am-11:30am		Break / Transition
11:30am-12:30pm	Workshop	ARCC-CIB WORKSHOP_ Spatial Equity and Inclusiveness in Research and Practice Moderator: Ihab Elzevadi, University of Oregon
		Bob Giddings, Northumbria University
		Silvio Melhado, Universidade de São Paulo / Ecole de Technologie Superieure, Montreal
		Jennifer Barrett, University of Central Lancashire
		Invited Discussants
		Elisandra Garcia-Gonzalez, University of Oregon
		James Lapalme, Ecole de Technologie Superieure, Montreal
		Chiko Makore, Oxford Brookes University Karin Pagina da Castra Marina, Universidada da São Baulo
		Karin Regina de Castro Marins, Universidade de São Paulo
		Silvia A. Mikami G. Pina, Universidade Estadual de Campinas
		Noha Saleeb, Middlesex University London
		Francine van Tonder, Cold Studio / University of the Witwatersrand
		This workshop will address the multiplicity of methods to harness equity and inclusion in
		design pedagogies, research, and innovation, carried out across our disciplines and
		professions, and to empower us to educate a new generation of built environment designers
		to meet the strategic imperatives of this historical moment.
12:30pm-12:45pm		Break / Transition
12:45pm-2:15pm	1A	RESILIENT HOUSING, AFFORDABLITY AND HOUSING INSECURITY
EQUITY_		Moderator: Christina Bollo, University of Illinois at Urbana Champaign
Inclusive Urban Land	iscapes	Cashama, Affandahla, Basiliant Hausing Protatura
		Geohome: Affordable, Resilient Housing Prototype George Elvin, North Carolina State University
		George Livin, North Carolina State Oniversity
		Approaches to Affordable Housing Design Using VAE and Space Syntax: Case Studies from
		Los Angeles
		Junyoung Myung, University of Illinois at Urbana-Champaign
		Jung Yun Choi, Seoul National University
		Taegyu Lee, Seoul National University
		Hausian Inconstituted Lating Community Desilion on in Casell Tours in Mississiani
		Housing Insecurity and Latinx Community Resilience in Small Towns in Mississippi
		Silvinia Lopez Barrera, Mississippi State University
		Diego Thompson, Mississippi State University
12:45pm-2:15pm	1B	CARTOGRAPHY, CLIMATE AND CROSS-CULTURAL CONSIDERATIONS
CLIMATE	10	Moderator: Ilaria Valente, Politecnico di Milano
Mitigation + Adapta	tion	
willigation + Adaptat		Metropolitan Cartography: An Inventive Practice Tool for Caring Metropolitan Landscapes
		Antonella Contin, Politecnico di Milano

Valentina Galiulo, Politecnico di Milano and Universidad de Sevilla Domingo Sánchez Fuentes, Universidad de Sevilla Virtual Session | May 23, 2022

	Nature Based Solutions and Circular Economy: Structuring a Long-Term Project for a Climate Resilient Design Kevin Santus, Politecnico di Milano Critical Explorations of Architecture Education in a Rapidly Changing World: Cross-Cultural Considerations of the Double-Edged Sword of Professional Competency and Global Citizenship Brian R. Sinclair, University of Calgary Raffaello Furlan, Qatar University
12:45pm-2:15pm IC TECHNOLOGY	SPATIAL PERFORMANCE, ANALYSIS AND MODELING Moderator: Adil Sharag-Eldin, Kent State University
Digital Design + Practices	Evaluation of Spatial Performance in Vertically Integrated Developments Using a Network
	Science-Based Approach Srilalitha Gopalakrishnan <i>, Singapore University of Technology and Design</i>
	Chirag Hablani, Singapore University of Technology and Design
	Daniel Wong, Singapore University of Technology and Design
	Benny Chin, Singapore University of Technology and Design
	Anjanaa Srikanth, Singapore University of Technology and Design
	Ajaykumar Manivannan, <i>University of Ottawa</i> Reland Rouffancis, <i>University of Ottawa</i>
	Roland Bouffanais, <i>University of Ottawa</i> Thomas Schroepfer, <i>Singapore University of Technology and Design</i>
	memory of real body of the start of the star
	Visual Data-Based Spatial Analysis of Built Environments
	Chirag Hablani, Singapore University of Technology and Design
	Daniel Wong, Singapore University of Technology and Design Thomas Schroepfer, Singapore University of Technology and Design
	momas schroepier, singupore oniversity of recimology and Design
	Thermoelectric Facades: Modeling Procedure and Comparative Analysis of Energy Performance in Various Climate Conditions
	Ajla Aksamija, University of Utah Mahsa Faird Mohajer, University of Massachusetts Amherst
12:45pm-2:15pm 1P	POSTER/PROJECT SESSION A
	Moderator: Oya Atalay Franck, Zurich University of Applied Sciences
	Assessing Architectural Design Factors of Maternity Ward that Influence Quality of Health Care and Patient Outcomes at Queen Elizabeth Central Hospital in Blantyre, Malawi Chris Harnish, Luis Gadama, Zayithwa Fabiano, Meghan Gannon, Kayla Holston, Stephanie Catrambone, Thomas Jefferson University
	Stephanie Catrambone, montas sejjerson oniversity
	The Scalability of Urban Agriculture: Chicago Case Studies
	Kristin Jones, Illinois Institute of Technology
	Design for Youth: Research in the Design Studio School of Architecture Julia W. Robinson, University of Minnesota
	The Future of Food Production: Urban Farming Towards Food Self-Sufficiency Camilo Cerro, American University of Sharjah
	The strange Sources of Brazil's Modern Architecture: The Neocolonial Style in the Centennial Exposition (1922) Camila Miranda Feltrin and Maria Teresa Dias da Fonseca, Faculdade de Arquitectura da Universidade do Porto
	Rights, Sagacity + The Devil's Crop: Provocations in an Ethos of Design, Dissolution + Disarray Brian R. Sinclair, University of Calgary
2:15pm-2:30pm	Break / Transition

(05/18/22)

2

2:30pm-4:00pm CLIMATE_ Mitigation + Adaptat	2A ion	CITIES AND RESILIENCE: STRATEGIES AND EVALUATION Moderator: Dag Boutsen, Katholieke Universiteit Leuven
		Mapping and Active Borders as Instruments for Climate-Resilient Waterfront Design Strategies Elena Verzella, University of Ferrara
		Understanding Efficient Mitigation Strategies for Los Angeles' Heat Islands Using OLS Regression Analysis
		Olivia Vander Poel Lewis, Pablo La Roche, Joey-Michelle Hutchison, Arianne Ponce, Callison RTKL
		Evaluating the Circadian-Effectiveness of Light through Personal Light Exposure Measurement: An Initial Test Using a Low-Cost and Wearable Spectrometer in Home-Office Armin Amirazar, University of North Carolina at Charlotte Mona Azarbayjani, University of North Carolina at Charlotte Maziyar Molavi, University of North Carolina at Charlotte
2:30pm-4:00pm	2B	HEALTH, LIGHTING AND HUMAN PERCEPTION
PUBLIC HEALTH_	sign	Moderator: Saif Haq, Texas Tech University
Human-Centered Des	5.611	Exploring the Impacts of Human-Centric Lighting Spatial Patterns on Elderly Residents Mood and Preference – An Architectural Content Analysis
		Nasrin Golshany, University of Oregon Ihab Elzeyadi, University of Oregon
		Exploring the Role of Human Perception: A Comparative Analysis of Human Thermal Comfort and Urban Design Parameters
		Naveed Mazhar, Northern Alberta Institute of Technology Enrica Dall'Ara, University of Calgary
		Brian R. Sinclair, University of Calgary
		Exploring the Walkability in a Hospital-Anchored Neighborhood: A Case Study of Emory University Hospital Midtown Campus
		Xiaowei Li, <i>Clemson University</i> Dina Battisto, <i>Clemson University</i>
2:30pm-4:00pm	2C	URBAN MAPPING: FRAMEWORKS AND TOOLS
CLIMATE_ Frameworks for Inter	rconnectivity	Moderator: Ming Hu, University of Maryland
	,	Mapping Blindspots in Urban Atmospheric Pollution Assessment in the US-Mexico Borderland Stephen Mueller, Texas Tech University
		Connect or Adapt: Analytic Framework for the Planning and Design of Resilient Spatial Networks Daniel Kin Heng Wong, <i>Singapore University of Technology and Design</i>
		Wei Chien Benny Chin, <i>Singapore University of Technology and Design</i> Roland Bouffanais, <i>University of Ottawa</i>
		Thomas Schroepfer, Singapore University of Technology and Design
		MODE_Bios: A Bioclimatic, Adaptive, Urban Design Tool
		Polyxeni Mantzou, <i>Democritus University of Thrace</i> Anastasios Floros, <i>Democritus University of Thrace</i>
2:30pm-4:00pm TECHNOLOGY_ Materials + Fabricatio	2D	PEDAGOGICAL TOOLS AND DESIGNING FOR CHANGE Moderator: Valerian Miranda, Texas A&M University
	on	Building with Air: The Internet of Things (IoT) as a Pedagogical Tool for Design-Build Education Nate Shigeo Imai, Texas Tech University
		Low-cost Acoustic Panels with Origami Patterns for Classrooms

Julio C. Diarte, *Pennsylvania State University and Universidad Nacional de Asuncion* Elena M. Vazquez, *Pennsylvania State University*

Resilient City: Physical, Social, and Economic Perspectives

Virtual Session | May 23, 2022

		Design for Change: Climate Centered Pedagogy in the Architecture Studio Gabriel Kaprielian, Temple University
2:30pm-4:00pm	2P	POSTER/PROJECT SESSION B
		Moderator: Tadeja Zupančič, University of Ljubljana
		Considering Health + Wellness Beyond Convention: Spirituality, Space and the Critical Case of Sufism
		Nooshin Esmaeili, Brian R. Sinclair, University of Calgary
		Gestural Modeling to Recapture the Human Body in Design Sara Codarin, Karl Daubmann, Lawrence Technological University
		Building in the Digital Transformation: Translations from Design to Technological-enabled Demountable Building.
		Sara Codarin, Karl Daubmann, Emily Kutil, Kristen Dean, Lawrence Technological University
		Urban Design Mitigations: Considering COVID-19's Impact on Public Space Deirdre Hennebury, Fernando Cirino, University of Michigan
		Indigeneity, Imagination, Equity + Design: Ethical Space and Complementary Ways of Knowing Brian R. Sinclair, <i>University of Calgary</i>
		Complexity Science-based Analysis of Sustainable Integrated Urban Districts Anjanaa Devi Srikanth, Chirag Hablani, Benny Chin, Thomas Schroepfer Singapore University of Technology and Design
4:00pm-4:15pm		Break / Transition
4:15pm-5:45pm	3A	RESILIENCE, SOCIAL EQUITY AND ACCESS
EQUITY_	lecanos	Moderator: Alexandra Staub, Pennsylvania State University
Inclusive Urban Lanc	iscapes	Neighborhood Design with Community Engagement
		Julia Robinson, University of Minnesota (Architecture)
		Brandon Champeau, United Properties
		Jamil Ford, Mobilize Design & Architecture Timothy Griffin, University of Minnesota (Minnesota Design Center)
		Cathy Spann, Jordan Area Community Council
		The Role of Architecture in Addressing Social Equity in Response to Covid-19 Ebtehal Bahnasy, University of Minnesota
		Trends and Correlates of Neighborhood Park Access in Philadelphia
		Tiara Halstead, Thomas Jefferson University Russell McIntire, Thomas Jefferson University
4:15pm-5:45pm	3B	ROLE OF HOUSING IN COMMUNITY RESILIENCE
PUBLIC HEALTH_ Public Space		Moderator: Joao Pedro Xavier, University of Porto
		Through the Eyes of The Public: The Promotion of Social Rental Housing (SRH) as a Focal Point in Addressing Housing Resilience
		Chika Chioma Daniels-Akunekwe, University of Calgary Brian R. Sinclair, University of Calgary and sinclairstudio, inc.
		The Public Restroom as a Site of Cultural Conflict
		Edward Steinfeld, <i>University at Buffalo, State University of New York</i> Adam Thibodeaux, <i>University at Buffalo, State University of New York</i>
		Shira Gabriel Klaiman, University at Buffalo, State University of New York
		Adaptive Streets: Increasing Social and Ecological Resilience Along a Cross-city Bicycle Boulevard Courtney Crosson, University of Arizona

(05/18/22)

ARCC-EAAE 2022 International Conference Resilient City: Physical, Social, and Economic Perspectives

Virtual Session I May 23, 2022

4:15pm-5:45pm PUBLIC HEALTH_ Human-Centered Des	3C	COMFORT AND HEALTH, RESILIENCE AND ASSESSMENT Moderator: Rahman Azari, Pennsylvania State University
		Integrating Biophilic, Net-Positive, and Resilient Design: A Framework for Architectural Education Mary Margaret Guzowski, University of Minnesota
		The Neighborhood Accessibility Framework: A Methodological Instrument to Assess Neighborhood-Level Determinants That Affect the Health of Urban Residents Hitakshi Sehgal, University of Minnesota
		Dwellings in the COVID-2019 Pandemic Times: Perspective of Six Female Architecture Students from the Midwest USA
		Mania Tahsina Taher, University of Wisconsin-Milwaukee
4:15pm-5:45pm CLIMATE_ Mitigation + Adaptatio	3D	EMERGENT PROCESSES, COMPLEXITY AND GLOBAL WARMING Moderator: Claus Peder Pedersen, Arkitektskolen Aarhus
		Rebellion, Robotics, and a Radical Reboot: Emergent Processes in Turbulent Times Dustin Couzens, <i>Modern Office of Design + Architecture</i> Brian R. Sinclair, University of Calgary and sinclairstudio, inc. Ben Klumper, Modern Office of Design + Architecture
		Uncertainty, Complexity + Change: A Cohesive Frame to Advance Agility in the Built Environment Salah Imam, University of Calgary and Entuitive Corporation Brian R. Sinclair, University of Calgary and sinclairstudio, inc.
		From Cold War to Global Warming: Dilemma's in Retrofitting the Modernist University Campus in Latin America. Case study: Quito, Ecuador Victor Hugo Molina, Technical University of Ambato
4:15pm-5:45pm	3P	POSTER/PROJECT SESSION C
4.13pm 3.43pm	51	Moderator: Peter Wong, University of North Carolina at Charlotte
		The Renewal Design of Dong Timber Dwelling Based on Tas Software: The Case Study of Gaobu Xiaoyun Liu, Politecnico di Milano
		Amphibian Typologies and The Urban Imaginary Mona El Khafif, Darcy Engle, University of Virginia
		Re-Commissioning Land: Spatial and Temporal Urban Strategies for Coastal Territories Mona El Khafif, Ali Fard, <i>University of Virginia</i>
		Postcards from the Future: Climate Fiction as Architecture Pedagogy Gabriel Kaprielian, Temple University
		Equitable Access to Building Construction Through Advancements in Open and Global Building Machine Technology Elizabeth Andrzejewski, Marcus Shaffer, Esther Obonyo, <i>Pennsylvania State University</i>
		RIVERGAN: Fluvial Landforms Generation Based on Physical Simulations and Generative Adversarial Network Xun Liu, University of Virginia and Runjia Tian, Harvard University
5:45pm-6:00pm	Closing	CLOSING REMARKS Chris Jarrett, <i>President, Architectural Research Centers Consortium (ARCC)</i> Claus Peder Pedersen, <i>Arkitektskolen Aarhus, EAAE-ARCC 2024</i>
		Deat Depart and Deat Deaton Amanda

(05/18/22)

Best Paper and Best Poster Awards Ming Hu, Awards Chair, University of Maryland