

CONTENTS

08	Dean's Introduction Reed Kroloff <i>Illinois Institute of Technology</i>				
09	Director's Introduction: Why Prometheus? Michelangelo Sabatino <i>Illinois Institute of Technology</i>				
10	Editors' Introduction Aamena Bakarmom, Çiçek Karataş, Alejandro Saldaña Perales, and Sasha Zanko <i>Illinois Institute of Technology</i>				
12	Symposium Overview <i>In Between: Architecture and Development of the Urban Landscape</i> : November 16–17, 2023				
14	Part I.A — In Between: Political-Economical Framework				
15	Introduction Alejandro Saldaña Perales and Sasha Zanko <i>Illinois Institute of Technology</i>				
16	Economical Keynote Cities and the Economy: A Story of Prosperity and Inequity Dr. Karen Hinojosa Hinojosa <i>School of Architecture, Art, and Design, Tecnológico de Monterrey</i>				
18	Political Keynote The "In-Between" and the Unfulfilled Promise of an Urban Phenomenology Dr. Jan Doering <i>Faculty of Arts and Science, Department of Sociology, University of Toronto</i>				
20	NICE (New! Coastal Ecologies): Toward an Alternate Model for the Future Architecture and Mass Tourism Infrastructure Along the European Mediterranean Coast, Croatian Coast as a Case Study. Sasha Zanko <i>Illinois Institute of Technology</i>				
26	Reimagining Wastewater Management Through Ecological Integration in Inverness, Nova Scotia Kaitlin Murphy <i>Dalhousie University</i>				
30	Urban Intimacies: Mapping the Intersection of Socio-Cultural Factors and Urban Environments on Sexual Behavior in North America Hashika Nekkanti <i>Illinois Institute of Technology</i>				
34	Raising the Stakes to Save and Restore Frank Lloyd Wright's Robie House: A Modern Architectural Palimpsest Between Politics and Preservation Practices (1957–67) Davide Galleri <i>University of Naples Federico II</i>				
40	Imagining a Denser Suburbia Scott Rainen <i>Illinois Institute of Technology</i>				
44	Part I.B — In Between: Social Framework				
45	Introduction Çiçek Karataş <i>Illinois Institute of Technology</i>				
46	Social Keynote Social City Prof. Christine Macy <i>School of Architecture, Faculty of Architecture and Planning, Dalhousie University</i>				
48	Adaptive Reuse of Abandoned Industrial Buildings with the Help of Artificial Intelligence Gamze Akyol <i>Süleyman Demirel University</i>				
52	Disrupting Dominant Discourses: The Role of Mapping in Understanding Nicosia's Conflict Otherwise Areti Kotsomi <i>Harvard University</i>				
58	High Rise with a High Dive Henry Helgas <i>Illinois Institute of Technology</i>				
64	Navigating Urban Complexity: Contemporary Challenges in Planning Refugee and Internally Displaced Persons Camps in Yemen and Bangladesh Ahmed Abdullah Obaid Ba tis <i>Illinois Institute of Technology</i>				
70	Japanese Ma Revisit: In-Between Concept within Kengo Kumasa's Design Projects in North America Yang Yang <i>Anhui University</i>				
76	Part I.C — In Between: Ecological Framework				
77	Introduction Aamena Bakarmom <i>Illinois Institute of Technology</i>				
78	Ecological Keynote The Impact of Buildings in the Environment Prof. Edoarda Corradi Dell'Acqua <i>Armour College of Engineering, Illinois Institute of Technology</i>				
80	Field Investigation of Indoor Thermal Environments in Traditional and Contemporary Houses in Hot-Dry Climates Aamena Mubarak Bakarmom <i>Illinois Institute of Technology</i>				
84	Part II — PhD Program Overview 2023–24 Curated by Çiçek Karataş <i>Illinois Institute of Technology</i>				
85	A Year in Perspective				
86	Academic Programming Highlights				
92	Annual Symposium Highlights				
96	Student Life and Research				
108	PHD Defended Dissertation Abstracts				
110	Accomplishments				
112	Part III — Essays & Interviews				
114	Essays and Interviews with PhD Program Alumni and Experts				
122	In Memoriam				
124	Biographies: CoA Dean, PhD Director, Editors, and Curator				

SYMPOSIUM OVERVIEW

In Between: Architecture and Development of the Urban Landscape November 16–17, 2023

Now more than ever, the North American urban landscape is in transformation. Cities are growing, expanding, building, and rebuilding. These transformations, unlike in other regions of the world, are being championed by the unpredictable forces of the global markets and private capital. Furthermore, private development of urban landscapes in North America is conducted under a unidimensional framework: return on investment (ROI). However, the urban landscape is a complex collection of interdependent systems. Its performance is framed by economical, political, social, and ecological challenges. Private developers do not operate in isolation; they must engage and negotiate with various stakeholders to achieve their objectives.

The symposium explores the multifaceted relationship between architecture and these complex issues in the contemporary North American urban landscape. It examines why architects play a crucial role in shaping the present and future of the urban landscape, the key areas of focus for architecture in the development of increasingly complex cities, emerging architectural strategies as responses to new challenges, suitable architectural scopes for approaching urban landscape development in North America, the current status of the North American urban landscape development model, its achievements thus far, and its potential for further progress.

This symposium will delve into four core frameworks that frame the performance of the urban landscape: the economical, political, social, and ecological dimensions.

PART A (POLITICAL + ECONOMIC): Will discuss the opportunities available to local city governments in the face of increasing pressures to develop new urban landscapes within existing built environments. In parallel, this section will address the role and impact of private capital in the development of the contemporary urban landscape. It will explore the required architectural strategies and urban landscapes fostered by current financial structures.

PART B (SOCIAL): In focusing on social and community-oriented challenges faced by new developments, will provide community-based perspectives on the various mechanisms shaping the present-day urban landscape.

PART C (ECOLOGICAL): Centered around the urban landscape during the climate crisis, this section will highlight a range of architectural strategies employed for ecologically oriented design and development.

THURSDAY, NOVEMBER 16

Welcome

Dr. Michelangelo Sabatino, Director of PhD Program in Architecture IIT
Reed Kroloff, Dean and The Rowe Family College of Architecture Endowed Chair IIT

Introduction of Symposium Themes by IGSS23 Steering Committee

Economical: Alejandro Saldaña Perales, PhD Candidate
Political: Sasha Zanko, PhD Student
Social: Çiçek Karataş, PhD Student
Ecological: Aamena Mubarak Bakarmom, PhD Student

Keynote — Economical

Dr. Karen Hinojosa Hinojosa, National Director of Urbanism Program, Monterrey Tech, Mexico

Keynote — Political

Dr. Jan Doering, Assistant Professor, Department of Sociology, University of Toronto, Canada

Keynote — Social

Prof. Christine Macy, Professor, School of Architecture, Dalhousie University, Canada

Keynote — Ecological

Prof. Edoarda Corradi Dell'Acqua, Associate Professor, Armour College of Engineering IIT, USA

Round Table

Moderated by Prof. Vedran Mimica, Director of the Master of Science in Architecture Program IIT

Participants:

Prof. Edoarda Corradi Dell'Acqua IIT

Dr. Jan Doering, University of Toronto

Dr. Karen Hinojosa Hinojosa, Tecnológico de Monterrey

Dr. Youngjin Hwang IIT

Dr. Ryan Roark IIT

Dr. Junko Taguchi IIT

Q & A

Closing Reception

North Core, S. R. Crown Hall

FRIDAY, NOVEMBER 17

Welcome

Dr. Michelangelo Sabatino, Professor and Director of PhD Program in Architecture IIT
Dr. Fred J. Hickernell, Vice Provost for Research IIT

THEME 1 (POLITICAL-ECONOMICAL)

Introduction by Session Chairs:
Alejandro Saldaña Perales, PhD Candidate
Sasha Zanko, PhD Student

New! Coastal Ecologies. Toward an alternate model for the future architecture and infrastructure of mass tourism along the European Mediterranean coast. Croatian coast as a case study.
Sasha Zanko IIT College of Architecture

Reimagining Wastewater Management Through Ecological Integration in Inverness, Nova Scotia

Kaitlin Murphy, Dalhousie University, Canada

Urban Intimacies: Mapping the Intersection of Socio-Cultural Factors and Urban Environments on Sexual Behavior in North America

Hashika Nekkanti IIT College of Architecture

Raising the Stakes to Preserve the Robie House: A Political Challenge to Save a Modern Landmark

Daive Gallert, University of Naples Federico II, Italy

Reapplying Proven Typologies to Make American Cities More Sustainable

Scott Rainen IIT College of Architecture

Q&A with Audience

Coffee Break

THEME 2 (SOCIAL)

Introduction by Session Chair:
Çiçek Karataş, PhD Student

Children and the Developing Urban Environment

Bhavana Reddy Vurukonda IIT College of Architecture

Adaptive Reuse of Abandoned Buildings with the Help of AI

Gamze Akyol, Süleyman Demirel University, Turkey

Documenting the Cultural Significance of Religious Buildings Damaged by the Turkey Earthquake in 2023: A Project for Preserving Heritage and Advancing Spiritual and Cultural Sustainability

Çiçek Karataş IIT College of Architecture

Mapping Inclusive Urban Futures: Exploring Urban Experience

Areti Katsomi, Harvard University, USA

Mid-Rise with a High Dive: Affordable Housing, Actor Network Theory, and Urban Aquatic Milieu

Henry Helgas IIT College of Architecture

Alternative Strategies for Housing Global Refugees and Displaced People: A Comparative Analysis of Cox's Bazar Refugees in Bangladesh and the Khazar Displaced Camp in Yemen

Ahmed Abdullah Obaid Ba t is IIT College of Architecture

Japanese Ma Revisit: In-Between Concept within Kengo Kuma's Design Project in North America
Yang Yang, University of Sheffield, UK

Q&A with Audience

Lunch Break

Publishing Guidelines for Prometheus and for: Getting a Dissertation Published

Piyush Khairnar, Assistant Professor, Texas Tech University

THEME 3 (ECOLOGICAL)

Introduction by Session Chair:
Aamena Mubarak Bakarmom, PhD Student

Landscape Approaches for the Conservation and Revitalization of Historic Cities: A Roadmap Towards Sustainable Regeneration

Ali Mboazemi Khorasgani, IIT College of Architecture

Spaces for Physical Activity: Using Computation to Predict the Suitability of Urban Open Space for Physical Activity

Benjamin Okenwa, Cardiff University, UK

Evaluating the Effectiveness of Blue-Green Infrastructures for Mitigating the Urban Heat Island Effect in North America

Tasneem Tariq, Pennsylvania State University, USA

Coffee Break

Improving Ventilation for Buildings in the Hot-Humid Climate: A Research-Driven Design Approach

Elham Hasani Alavy, Texas Tech University, USA
Khadijeh Azarbad, University of Tehran Iran

Field Investigation of Indoor Thermal Environments in Traditional and Contemporary Houses in Hot-Dry Climates

Aamena Mubarak Bakarmom, IIT College of Architecture

Legislative Strategies for Sustainable Development on the Asseer Coast, Saudi Arabia

Abdulmalik Mohammad Saleh, IIT College of Architecture

Concluding Remarks and Thank You

Dr. Michelangelo Sabatino, Professor and Director of PhD Program

Organizers: Aamena Bakarmom, Çiçek Karataş,

Alejandro Saldaña Perales, and Sasha Zanko

Closing Reception and Best Paper Presentation Awards

Private Reception at Wrightwood 659 Art Gallery for Paper Presenters and Invited Guests

Note bene: Presentation information, titles, and affiliations are reproduced as they appeared in the symposium program in 2023. To facilitate inclusion of participants across multiple countries, a number of presentations were delivered virtually.