



The 12th

Global Crisisonomy Symposium

Urban Disaster Resilience and the Protection and Maintenance of
Critical Infrastructure in the Era of the Climate Crisis

Schedule: 27 Jan. - 1 Feb. 2024

Venue: California State University(CSULB), Long Beach ,USA

Co-host Organizations

Global Crisisonomy Institute (GCI)

National Crisisonomy Institute (NCI), Chungbuk National University, Korea

Disaster Prevention Design Institute (DPDI), Hanbat National University, Korea

Korean Association for Crisis and Emergency Management (KACEM)

Crisis and Emergency Management: Theory and Praxis (CEMTP)

Convergence and Open Sharing System Immersive Media, PaiChai University

Daejeon Design Firms Association (DDFA)

The Hwaseong Institute, Korea

Convergent/Innovative Human Resource Training Program for Greenhouse Gas Reduction
at Ajou University, Korea

Sponsored by

California State University, Long Beach Campus, USA

National Research Foundation of Korea

Chungbuk National University, Korea

**Organizing Committee of
the 12th Global Crisisonomy Symposium**



INVITATION

Lately, the global climate crisis has led to a surge in frequent and extreme disasters across continents. This trend is inflicting greater harm, especially in densely populated urban areas. Specifically, the climate crisis poses a significant threat to critical infrastructure, including financial systems, information and communication networks, transportation systems, power grids, energy systems, public health, public order, as well as national cultural assets, among others. If the climate crisis cripples this critical infrastructure, urban areas could become uninhabitable, making the sustainability and upkeep of cities nearly impossible.

To safeguard and sustain critical infrastructure, it is crucial to establish a cooperative connection between central and local governments and implement collaborative governance. Moreover, the involvement of private companies and citizens is indispensable for effectively safeguarding critical infrastructure. This undertaking necessitates engagement not only from businesses but also from diverse academic societies. Specifically, given that safeguarding critical infrastructure cannot be achieved by a single academic discipline alone, adopting an interdisciplinary approach is essential. This should encompass humanities, arts, social sciences, engineering, medicine, natural sciences, law, and management.

In this context, the 12th Global Crisisonomy Symposium, taking place at the California State University Long Beach Campus, will feature an academic symposium along with a climate crisis design exhibition and discussions.

We appreciate your interest and support for the 12th GCS, centered around the theme of Urban Disaster Resilience and the Protection and Maintenance of Critical Infrastructure in the Era of the Climate Crisis.

8 January, 2024

Organizing Committee of
the 12th Global Crisisonomy Symposium

Program of the 12th Global Crisisonomy Symposium

The 1st day: 27 January (Sat.), 2024

Global Crisisonomy Workshop & Reception Meeting & Preliminary Meeting

10:00 – 13:00 Reception Meeting of Participants & Lunch

13:00 – 16:00 The Riot Site(1992) and Resilience of Victims, South Central, L.A.

16:00 – 20:00 Preliminary Meeting for the 12th GCS

The 2nd day: 28 January (Sun.), 2024

Global Crisisonomy Workshop

10:00 – 14:00 The Site of the 1994 Northridge Earthquake in L.A. & Lunch

14:00 – 18:00 The Site of 2023 Earthquake, Northern Ventura County, L.A.

18:00 – 20:00 Reception

The 3rd day: 29 January (Mon.), 2024

Global Crisisonomy Workshop & Global Collaborative Research Meeting

10:00 – 14:00 Critical Infrastructure Protection Meeting & Lunch

14:00 – 18:00 Global Collaborative Research Meeting

The 4th day: 30 January (Tue.), 2024

Disaster Prevention Design Conference & Global Crisisonomy Workshop Interview

10:00 – 13:00 Disaster Prevention Design Conference Meeting & Lunch

13:00 – 18:00 Visit to the City Hall of City of Irvine and Interview with Critical Infrastructure Protection Staff at Department of Information Technology

The 5th day: 31 January (Wed.), 2024

The 12th Global Crisisonomy Symposium and International Design Invitation Exhibition

09:00 – 09:30 Registration

09:30 – 10:00 The 12th Global Crisisonomy Symposium Opening Ceremony

Moderator Seol A Kwon (NCI, CBNU, Korea)

Opening Address

Jae Eun Lee (National Crisisonomy Institute, Chungbuk National University, Korea)
Hwang Woo Noh (President, Korean Association for Crisis & Emergency Management, Korea)

Welcoming Address

Keiko Kitagawa (Seitoku University, Japan)
Fan Qiang Qiang (Northeastern University, China)

Congratulatory Remarks

Dohyeong Kim (University of Texas, Dallas, USA)
Seo Yong Kim (Ajou University, Korea)
Won Boo Shin (The Hwaseong Institute, Korea)

10:00 – 10:20 Photo Session & Coffee Break

10:20 – 12:00 Keynote Speech Session

Moderator Won Boo Shin (Hwasung Institute, Korea)

Keynote Speaker

Keiko Kitagawa (Seitoku University, Korea)
Disaster Gerontology Perspective on Diversity and Disaster Risk & Crisis Management:
Applied Dimensions for Community Resilience

Keynote Speaker

Jae Eun Lee (Chungbuk National University, Korea)
Enhancing Adaptation Strategies for Protecting Critical Infrastructure in the Era of
Climate Crisis

Keynote Speaker

Dohyeong Kim (University of Texas at Dallas, USA)
Investigating Spatial Factors for Community Reintegration for Burn Injury Survivors in Texas

Keynote Speaker

Seoyong Kim, Miri Kim, Sehyeok Jeon, Joo Sung Hwang (Ajou University)
Can Climate Change Save the Plastic World? The Effect of Skepticism, Guilt, and
Efficacy about Climate Change Crisis on WTP for Plastic Tax

12:00 – 13:30 Lunch & Coffee

13:30 – 14:30 **International Design Invitation Exhibition Opening Ceremony**

Moderator Fan Qiang Qiang (Northeastern University, China)

Opening Address

Hwang Woo Noh (President of DCDA, Korea)

Welcoming Address

Sunook Park (California State University, Long Beach, USA)

Byoung Yup Lee (Director of COSS, Korea)

Seung Bum Nam (President of DDFA, Korea)

Jae Eun Lee (President of CEMTP & Director of NCI-CBNU, Korea)

14:30 – 15:00 **Coffee Break**

15:00 – 18:00 **Special Explanation about Exhibition and Gallery Talks**

Moderator Yong Jin Chung (Cheongju University)

Sunook Park (California State University, Long Beach, USA)

The History and Future of American Branding

Hwang Woo Noh (Hanbat National University, Korea)

Disaster Prevention Design to Improve Cognition

18:00 – 20:00 **Reception**

The 6th day: 1 February (Thu.), 2024

The 12th Global Crisisonomy Symposium & International Design Invitation Exhibition

09:30 – 10:30 Registration

10:30 – 12:00 Adaptation to Climate Crisis and Disaster Design

Moderator Jae Eun Lee (Chungbuk National University, Korea)

Presenter

Fan Qiang Qiang (Northeastern University, China)
The Inheritance and Innovation of Intangible Cultural Heritage Based on the Concept of Service Design: A Case Study of Liao Porcelain Museum Exhibition Design

Ju Ho Lee (Sehan University, Korea)
Jae Eun Lee (Professor, Chungbuk National University, Korea)
Longtian An (Professor, Yanbian University, China)
A Comparative Study of the Disaster Management Resources Systems:
In the Case of Korea, USA, and Japan

Seol A Kwon (Chungbuk National University, Korea)
Bill Ho (Asian Disaster Preparedness Center)
Strategies for the Establishment of an International Community Network for
the Improvement of the Resilience of Critical Infrastructure Systems

Su Gyeong Lee (The Hwaseong Institute, Korea)
Disaster and Just Work : Focusing on the Case of Hwaseong City

Discussants

Seo Yong Kim (Ajou University, Korea)
Sunook Park (California State University, Long Beach, USA)
Dohyeong Kim (University of Texas at Dallas, USA)
Changgeun Yun (Ajou University)

12:00 – 13:30 Lunch & Coffee

13:30 – 15:00 Future Directions for Human Settlement in the Climate Crisis Era

Moderator Sunook Park (Clifornia State University, Long Beach, USA)

Presenters

Won Boo Shin (The Hwaseong Institute, Korea)
Disaster and Safety Transformation: Focusing on the Case of Hwaseong City

Jae Eun Lee (Chungbuk National University, Korea)
Keiko Kitagawa (Seitoku University, Japan)
Muhammad Azam (PMAS Arid Agriculture University, Rawalpindi, Pakistan)
Lin Pei Zhai (Zhejiang Normal University, China)
Building a Resilient Community through Critical Infrastructure Adaptation to the
Climate Crisis

Byoung Yup Lee (PaiChai University, Korea)
Trend of XR Technology 2023

Changgeun Yun(Ajou University)
Does Trust in Government Matter?: Public Acceptance for High-level Radioactive
Disposal Site.

Discussants

Seung Bum Nam (DDFA, Korea)
Fan Qiang Qiang (Northeastern University, China)
Seol A Kwon (Chungbuk National University, Korea)
Su Gyeong Lee (The Hwaseong Institute, Korea)

15:00-15:30 Coffee Break

15:30 – 18:00 Gallery Talks and Reception

18:00 Closing Ceremony

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The 12th Global Crisisonomy Symposium

**Topic: Urban Disaster Resilience and Critical Infrastructure Protection and
Maintenance in the Era of Climate Crisis**