



# 2022 Asian Conference on Crisisonomy

Climate Crisis and Disaster Resilience Approach  
: Disaster Management Resources and Recovery



**Date** 20(Wed.) - 23(Sat.) July, 2022

**Venue** Jeju National University, Korea

#### Co-host Organizations

Asian Association for Crisisonomy (AAC)  
National Crisisonomy Institute, Chungbuk National University (CBNU), Korea  
Research Institute for the Tamla Culture, Jeju National University (JNU), Korea  
Asian Disaster Preparedness Center (ADPC) in Bangkok, Thailand  
Korean Association for Crisis and Emergency Management (KACEM)  
Crisis and Emergency Management: Theory and Praxis (CEM-TP)  
Incheon Studies Institute, Incheon National University (INU), Korea  
Social Science Research Institute, Ajou University, Korea  
Department of Structures and Environmental Engineering, PMAS Arid Agriculture University, Rawalpindi, Pakistan  
Department of Disaster and Safety Management, Soongsil University, Korea  
Cheongju Council for Sustainable Development (CCSD), Korea  
Korea Disaster Relief Association  
National Center for the Rights of the Child, Korea  
Disaster Management Research Institute, Loving Center for Disaster Victims, Korea  
Global Crisisonomy Institute

#### Sponsor Organization

Chungbuk National University (CBNU), Korea  
National Research Foundation of Korea  
Ministry of the Interior and Safety, Korea  
National Disaster Management Research Institute, Korea  
Korean Association of Humanities and Social Sciences Institutes, Korea  
Safe Today, Korea

#### Supporting Journals

Crisisonomy  
Journal of Safety and Crisis Management  
Disastronomy  
Contingencies and Crisis Management Review  
Korean Review of Crisis and Emergency Management

# INVITATION

Dear Scholars and Experts in Crisisonomy!

It is now the season to celebrate the beautiful summer sight of Jeju Island, Korea. We would first like to express our appreciation for all your warm interest and affection for the academic advancement of crisisonomy, which means crisis & emergency management science.

In 2019, it was decided to establish the Asian Association for Crisisonomy in Jeju Island as an effort by lots of scholars and experts in Asian countries to ensure the safety of mankind and communities. Unfortunately, however, due to the COVID-19 Pandemic, at the Asian Conference on Crisisonomy (ACC) for two years in 2020 and 2021, we could not meet in person and had to hold the ACC through non-face-to-face online video. After 3 years, in this 2022, we are very happy to meet again with the theme of post-pandemic climate crisis and disaster resilience.

2022 ACC will be held at Jeju National University, Korea, from 20 to 23 July in cooperation with research organizations from Korea, Japan, China, USA, Nepal, Thailand, Mongolia, New Zealand, Pakistan, and Bangladesh.

With the theme of “Climate Crisis and Disaster Resilience Approach: Disaster Management Resources and Recovery,” 2022 ACC will be a valuable chance to share rich academic discussions and opinions on various topics such as climate crisis, disaster resilience, disaster management resources, public safety, new crises, and so on.

It is a great honor to invite distinguished scholars and experts in the fields of crisisonomy, disastry, and safety management to this ACC, and we ask for your interest and participation in the 2022 ACC.

Once again, we sincerely thank all the scholars and experts who are working on the academic development of crisisonomy and disastry.

2 July, 2022

President **Dr. Jae Eun Lee**



**Asian Association for Crisisonomy**

# The 1<sup>st</sup> Day - 20 July, 2022

Pre-conference, 2022 Asian Conference on Crisisonomy

**Registration**      Venue: College of Humanities 1 Building, Seminar Room 3 Floor      **13:00-14:00**

■ **“Pre-conference” Opening Ceremony**      **14:00-14:20**

Moderator   **Seol A Kwon**      CBNU, Korea

**Opening Address**   **Jae Eun Lee**      Chungbuk National University, Korea  
**Hyemee Yoon**      National Center for the Rights of the Child, Korea

## Photo Session

■ **The 1st Session**      **Child and Disaster I**      **14:20-15:30**

**Moderator**      **Chi Wan Kim** (Jeju National University, Korea)

**Presenter**      **Sehee Lim** (Seoul Cyber University, Korea)  
**The Reality of Children in Disaster Policy and System:  
Focused on Domestic and Foreign Cases**

**Discussants**      **Ju Ho Lee** (Sehan University, Korea)  
**Jeong Ryu** (Seokyeong University, Korea)  
**Soyeun Cho** (National Center for the Rights of the Child)

**Coffee Break**      **15:30-15:40**

■ **The 2nd Session**      **Child and Disaster II**      **15:40-17:00**

**Moderator**      **Mi-kyung Kang** (National Center for the Rights of the Child, Korea)

**Presenter**      **Sang Il Ryu** (Dong-Eui University, Korea)  
**Analysis of Children's Vulnerability in Disaster**

**Discussants**      **Min Sun Song** (Valdosta State University, USA)  
**Jong Il Na** (Disaster Safety Institute, Korea Relief Disaster Association, Korea)  
**Seo Yong Kim** (Ajou University, Korea)  
**Muhammad Azam** (PMAS Arid Agriculture University, Pakistan)  
**Si Ah Kim** (National Center for the Rights of the Child)

**Reception & Welcoming Party**      **17:30-20:00**

# The 2<sup>nd</sup> Day - 21 July, 2022

2022 Asian Conference on Crisisonomy

Registration

09:00-09:20

## ■ The 3rd Session Disaster Management Resources

09:20-10:30

### ■ Section 1 [Korean] Venue: Ara Convention Hall, Seminar Room 1

Moderator Jeong Ryu (Seokyeong University, Korea)

Presenter Hye Rin Jin, Jeong Mi Baek (Incheon Studies Institute, Incheon National University, Korea)  
**Analysis of Disaster Characteristics and Measurement of Disaster Resilience in Korea**

Jeong Ryu (Seokyeong University, Korea)

Jandi Kim (Seoul National University, Korea)

Hyun Young Jang (Seokyeong University, Korea)

Yongrae Cho (Hallym University, Korea)

Jeongyee Bae (Inje University, Korea)

Jaiho Oh (Nano C & W Co. Ltd, Korea)

Min Yeong Kwak (Keimyung University, Korea)

Yun Kyeong Choi (Keimyung University, Korea)

**Measuring the Psychological Impact for Disaster-experiencers: Proposal of a Common Scale That Can Be Used by All Ministries in Korea**

Bat-Erdene Ganchimeg (Chungbuk National University, Korea)

**Current Status Analysis and Crisis Management for Effective Disaster Management**

Discussants Hyang Won Kwon (Ajou University, Korea)

Sang li Ryu (Dong-Eui University, Korea)

HyoungAh Kim (Jeju National University, Korea)

### ■ Section 2 [Korean] Venue: Ara Convention Hall, Seminar Room 2

Moderator Jang Hee Lee (Chungbuk National University, Korea)

Presenter Yuzhuo Qin (Chungbuk National University)  
**The Safety Management of New Energy Vehicles in China**

Yena Choi (Chungbuk National University, Korea)

Lee Soo Kim (Gwangju Metropolitan Office of Education)

**A Study on the Perception of Education Recovery as a Crisis Management Plan for COVID-19: Focused on Gwangju Metropolitan Office of Education**

Hyun Soo Park (Chungbuk National University, Korea)

**A Study on Distribution and Accessibility of Disaster Response Facilities**

Discussants Youngbeom Kim (Chungbuk National University, Korea)

Linpei Zhai (Chungbuk National University, Korea)

Min Sun Song (Valdosta State University, USA)

■ **Section 3 [Korean]** Venue: Ara Convention Hall, Seminar Room 3

**Moderator** Changkil Lee (Incheon Studies Institute, Incheon National University, Korea)

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**Presenter** Jong Il Na (Korea Disaster Relief Association, Korea)  
**Comparative Analysis of Disaster Management Resource for Disaster Relief and Response in Korea and Japan**

Tae Jung Song (KITValley Co., Ltd., Korea)

Joon Ha Kim (KITValley Co., Ltd., Korea)

**A Development on Conceptual Prototype Design for Efficient Operation of Disaster Management Resources**

Sung-Su Lee (Association of Business Continuity & Disaster Mitigation, Korea)

Eun-Joung Song (Association of Business Continuity & Disaster Mitigation, Korea)

**A Study on the Resource Management Model for Continuity of Operation in National Critical Infrastructure Protection**

Deawon Jang (Disaster & Safety Research Institute, LIG System Co., Ltd., Korea)

Yonsoo Kim (Disaster & Safety Research Institute, LIG System Co., Ltd., Korea)

**Classification of Priority Disaster types by Region through Disaster Cases and Risk Assessment**

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**Discussants** Chong Soo Cheung (Soongsil University, Korea)

Gyum Hun Kim (Chungbuk National University, Korea)

Hyun Soo Park (Chungbuk National University, Korea)

■ **Section 4 [Korean]** Venue: College of Humanities 1 Building, Seminar Room 3 Floor

**Moderator** Ju Ho Lee (Sehan University, Korea)

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**Presenter** Jinseon Kim (Ajou University, Korea)  
**Just Transition Management: Dilemmas and Strategies of Thermal-Power Industry in South Korea**

Min Jeong Kim (Ajou University, Korea)

**A Study on the Activation of Renewable Energy through Trends Analysis**

Joo Sung Hwang (Ajou University, Korea)

**The Role of Solar Power Image: Should We Consider Adoption in Solar Power Systems?**

Yeji Shin (Ajou University, Korea)

**Exploring the Factors Affecting the Acceptance of Hydrogen Stations**

Gongrok Kim (Ajou University, Korea)

**Which Information Is Reliable: Risk Perception and Government Press Briefings**

Sohee Kim (Ajou University, Korea)

**Does Value Still Matter? Specifying the Role of Relevant Values in Energy Saving Action**

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**Discussants** Seo Yong Kim (Ajou University, Korea)

Youhyun Lee (Ajou University, Korea)

Bonjun Koo (Research Institute for Humanity and Nature(RIHN); Yuko Onishi, Japan)

▪ The 4th Session	Disaster and Resources	10:40-12:00
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▪ Section 1 [Korean]	Venue: Ara Convention Hall, Seminar Room 1
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Moderator	Jang Hee Lee (Chungbuk National University, Korea)
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Presenter	Gyum Hun Kim (Chungbuk National University, Korea) The Reasonable Location Selection Model for Optimal Location Installation of the Disaster Prevention Base Facilities
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	Jee Eun Kim (Chungbuk National University, Korea) Issue Analysis of disaster management resources
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	Minah Lee (Chungbuk National University) Current Status of Disaster Safety Platform in Local Government
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Discussants	Yuzhou Qin (Chungbuk National University, Korea)
	Ju Ho Lee (Sehan University, Korea)
	Zhenyun Jin (Chungbuk National University, Korea)

▪ Section 2 [Korean]	Venue: Ara Convention Hall, Seminar Room 2
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Moderator	Sang Il Ryu (Dong-Eui University, Korea)
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Presenter	Dong Wook Kim (Incheon Studies Institute, Incheon National University, Korea) Changkil Lee (Incheon Studies Institute, Incheon National University, Korea) The Significance and Role of Voluntary Service in Large-scale Disasters
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	Jun Hyeong Choi (Chungbuk National University, Korea) Psychological Impact of Climate Change Disaster: Focusing on Climate anxiety
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	Xiangyan Jin (Chungbuk National University, Korea) China's Quarantine Policy and Smart City during the COVID-19 Period
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Discussants	Ke Zhang (Chungbuk National University, Korea)
	Dayoung Kim (Chungbuk National University, Korea)
	HyoungAh Kim (Jeju National University, Korea)

■ **Section 3 [Korean]** Venue: Ara Convention Hall, Seminar Room 3

**Moderator** Jae Bong Kim (Korea Maritime and Ocean University, Korea)

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**Presenter** Longtian An (Chungbuk National University, Korea)  
Jae Eun Lee (Chungbuk National University, Korea)  
**Empirical Study of Disaster Management Resource System: Analysis of Perception Difference between Disaster Management Administrative Officials and Firefighters**

Jin Hwa Kim (Chungbuk National University, Korea)  
**Analysis of the Effectiveness of Policy Guarantee Support in the COVID-19 Pandemic Economic Crisis**

Youngbeom Kim (Chungbuk National University, Korea)  
**Analysis of Problems with the Enactment and Progress of the Serious Accident Punishment Act**

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**Discussants** Chan Gwon Jeong (Institute for Security&Disaster Analysis, Korea)  
Linpei Zhai (Chungbuk National University, Korea)  
Xiangnan Lin (Chungbuk National University, Korea)

■ **Section 4 [Korean]** Venue: College of Humanities 1 Building, Seminar Room 3 Floor

**Moderator** Yena Choi (Chungbuk National University, Korea)

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**Presenter** Sehyeok Jeon (Ajou University, Korea)  
**An Experimental Approach to Changes in Support of Energy Welfare Policy: Focusing on the Energy Voucher System**

Ie Rei Park (Yonsei University, Korea)  
**Does It Still Politics Matters→ Exploring the Power of Political Ideology, President of Party Support on Attitude toward Energy Transition**

Miri Kim (Ajou University, Korea)  
**Effect of Climate Change Awareness on Energy Conservation Decision-making Process: Exploration of TPB, NAM, VBN Integrated Model**

Yoon Jung Oh (Ajou University, Korea)  
**An Analysis of the Effect of Psychological Distance on Climate Change Response Behavior**

Yoonhee Choi (Ajou University, Korea)  
**Analysis of Causes of the Gap between Energy Saving Intentions and Actions and Policy Implications**

Pyung Kim (University of Texas at Dallas, USA)  
**Think Globally, Act Locally? Role of Global Identity in Tackling Climate Change**

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**Discussants** Seo Yong Kim (Ajou University, Korea)  
Youhyun Lee (Ajou University, Korea)  
So Yeong Kwon (Chungbuk National University, Korea)  
Hyang Won Kwon (Ajou University)

## 2022 ACC Opening Ceremony

13:20-14:00

Venue: Ara Convention Hall, Conference Room

Moderator **Seol A Kwon** Director General, AAC & CBNU, Korea

### ■ Opening Address

**Jae Eun Lee** President, Asian Association for Crisisology & CBNU, Korea

### ■ Welcoming Remarks

**Eel-hwan Kim** President, Jeju National University, Korea

**Gi Geun Yang** Chair, Organizing Committee of 2022 ACC & Wonkwang University, Korea

**Seung-jin Maeng** President, Korean Association for Crisis and Emergency Management & CBNU

**Hyemee Yoon** President, National Center for the Rights of the Child, Korea

### ■ Congratulatory Remarks

**Jennifer Holmes** Dean, University of Texas at Dallas, USA

**Hans Guttman** Executive Director, Asian Disaster Preparedness Center(ADPC), Thailand

**An Chen** Next-President, AAC & Chinese Academy of Sciences, China

**Keiko Kitagawa** Co-President, AAC & Seitoku University, Japan [On-line]

**Jung Hee Kim** Secretary General, Korea Disaster Relief Association

**Seoyong Kim** Director, Social Science Research Institute, Ajou University, Korea

### ■ Photo Session

## ■ The 5th Plenary Keynote Speech Session I

14:00-15:30

Moderator **Muhammad Azam** (PMAS Arid Agriculture Rawalpindi University, Pakistan)

Keynote Speakers **Jennifer Holmes** (University of Texas at Dallas, USA)  
**Lessons from the Texas Grid**

**Keiko Kitagawa** (Seitoku University, Japan)  
**Public and Community Concerns Disabilities for Eco-Friendly Recovery from Mega Natural Disasters**

**Jai Ho Oh** (Nano C&W Co. Ltd., Korea)  
**Impact of the Hyper-local Real-time Heatwave Monitoring System on Public Health and Agriculture**

Coffee Break

15:30-15:40



▪ **The 6th Plenary Keynote Speech Session II**

**15:40-16:30**

**Moderator**                      **Min Sun Song** (Valdosta State University, USA)

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**Keynote Speakers**            **Jae Eun Lee** (Chungbuk National University, Korea)  
**How to Improve the Disaster Resilience in the Climate Crisis**

**Dohyeong Kim** (University of Texas, Dallas, USA)  
**Regional Disparity in Educational Impact of COVID-19 in Korea**

**Muhammad Azam** (PMAS Arid Agriculture Rawalpindi University, Pakistan)  
**Decision Support Systems for Early Flood Warning Systems**

**Coffee Break**

**16:30-16:40**

▪ **The 7th Session**            **Joint Forum on Sustainable Development**

**16:40-17:50**

**Moderator**                      **Jang Hee Lee** (Chungbuk National University, Korea)

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**Speaker**                         **Youngsik Kim** (Seowon University, Korea)  
**The Role of Local Government in the Prevention of Serious Civil Accidents**

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**Discussants**                    **Sangwan Chung** (Gangdong University, Korea)  
**Eun Mi Lee** (Kookmin University, Korea)  
**Seol A Kwon** (Chungbuk National University, Korea)  
**Choung Sin Kim** (Jeju municipal police, Korea )

**Dinner**

**18:00-20:00**

# The 3<sup>rd</sup> Day - 22 July, 2022

2022 Asian Conference on Crisisonomy

Registration

09:00-09:20

## ■ The 8th Session

09:20-10:30

### ■ Section 1 [Korean] Venue: Ara Convention Hall, Seminar Room 1

**Moderator** Ye Na Choi (Chungbuk National University, Korea)

**Presenter**

Jonghyuk Kim (Chungbuk National University, Korea)  
The Role and Direction of the Media in the Event of a Disaster

Misun Kim (Chungbuk National University, Korea)  
The Improvement Study of the Fatal Industrial Accidents Punishment Act

Hyunjung Kim (National Disaster Management Research Institute & CBNU, Korea)  
A Study on the Development of Disaster and Safety Specialists

Ran Hee Jeong (Chungbuk National University, Korea)  
A Comparative Study between "the Occupational Safety and Health Act" and the "Serious Accidents Punishment Act": Focusing on Industrial Safety and Health

**Discussant**

Hyun Soo Park (Chungbuk National University, Korea)  
Da Young Kim (Chungbuk National University, Korea)  
Sung Soo Byun (Daejeon Sejong Research Institute, Korea)

### ■ Section 2 [English] Venue: Ara Convention Hall, Seminar Room 2

**Moderator** Muhammad Azam (PMAS Arid Agriculture Rawalpindi University, Pakistan)

**Presenter**

Seol A Kwon (Hanbat National University, Korea)  
Jee Eun Kim (Chungbuk National University, Korea)  
Jae Eun Lee (Chungbuk National University, Korea)  
What Philosophy Does the Leader Have in Crisis Management? Focusing on the Korean President's Speech

Ke Zhang (Chungbuk National University, Korea)  
Use of Social Media Data in Disaster Management: A Case Study of Heavy Rainstorm in Zhengzhou, China

Bonjun Koo (Research Institute for Humanity and Nature (RIHN), Japan)  
Yuko Onishi (Research Institute for Humanity and Nature (RIHN), Japan)  
Co-creation Approaches and Its Challenges to Coping with the Climate Crisis

**Discussants**

Longtian An (Chungbuk National University, Korea)  
Jeong Ryu (Seokyeong University, Korea)  
Bat-Erdene Ganchimeg (Chungbuk National University, Korea)

■ **Section 3 [Korean]** Venue: Ara Convention Hall, Seminar Room 3

**Moderator** Jae Bong Kim (Korea Maritime and Ocean University, Korea)

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**Presenter** Eun Kyoung Yun (KyungHee University, Korea)  
Young Kyo Hong (KyungHee University, Korea)  
Hye Min Byun (KyungHee University, Korea)  
Seon Gyu Han (KyungHee University, Korea)  
Jung Ok Kim (KyungHee University, Korea)  
Nam Hee Choi (Korea National University of Transportation, Korea)  
**Analysis of the Causal Loop Structure of Business Discontinuity and Crisis in Response to COVID-19 of Healthcare Systems in Korea**

Yeonjun Kim (Chungbuk National University, Korea)  
**A Study on the Classification of Natural Disasters in the Climate Crisis Period**

Lin Dong (Chungbuk National University, Korea)  
**Better a Neighbor Nearby than a Brother Far Away? Mutual Aid as Disaster Response during COVID-19 Lockdown in Shanghai**

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**Discussants** Woo Yeom (Chungbuk National University, Korea)  
Gyum Hun Kim (Chungbuk National University, Korea)  
Yun Jeong Kim (Changshin University, Korea)

**Coffee Break**

**10:30-10:40**

■ **The 9th Session**

**10:40-12:00**

■ **ZOOM Section 2 [Korean]** Venue: Ara Convention Hall, Seminar Room 1

**Moderator** Jeong Ryu (Seokyeong University, Korea)

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**Presenter** Sung Yong Lee (University of Otago, Newzland)  
**Social Impact of Sea Level Rise and Community Resilience: Lessons from the South Pacific Islands**

Eun Kyung Choi (Kyungpook National University, Korea)  
**Mapping the Issues around Public Health and Climate Crisis**

Yunjeong Joo (Pusan National University, Korea)  
**Locating Issues of Climate Crisis and Human Rights**

Seunghye Shin (Chungbuk National University, Korea)  
**A Challenge to International Law on Human Security: Does every individual can enjoy his or her human rights wherever he or she lives?**

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**Discussants** Jaehwan Hyun (Pusan National University, Korea)  
Cheung Sook Choi (Gangneung Yeongdong University, Korea)  
Longtian An (Chungbuk National University, Korea)

■ **Section 2 [Korean]** Venue: Ara Convention Hall, Seminar Room 2

**Moderator** Hwang Woo Noh (Hanbat National University, Korea)

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**Presenter** Haksu Lee (Chungbuk National University, Korea)  
**A Study on the Need for Retrospective Effectiveness in the Crisis Management Low System: A Case Study on Piloti Structure**

Woo Yeom (Chungbuk National University, Korea)  
**Direction for Improvement of Environmental Law System to Vitalize Governance**

Jeong Min Choi (Chungbuk National University, Korea)  
**A Study on the Improvement of the Fine Dust Act: Focusing on the Cases of the Chungbuk Province**

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**Discussants** Gyum Hun Kim (Chungbuk National University, Korea)  
Wei Lu (Chungbuk National University, Korea)  
Min Sun Song (Valdosta State University, USA)

■ **Section 3 [Korean]** Venue: Ara Convention Hall, Seminar Room 3

**Moderator** Chan Gwon Jeong (Institute for Security&Disaster Analysis, Korea)

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**Presenter** Sang Min Lee (Korea National University of Transportation, Korea)  
Sung Soo Byun (Daejeon Sejong Research Institute, Korea)  
**A Study on the Trend and Utilization of ICT for Future Crisis Management: Focusing on the Smart Elevator**

Dayoung Kim (Chungbuk National University, Korea)  
So Yeong Kwon (Chungbuk National University, Korea)  
**How My Meal Today Affects the Climate Crisis : Focusing on Food waste policy and carbon-neutral scenario through Mixed policy model**

Do Hyeon Kim (Chungbuk National University, Korea)  
**The Effects of Teacher's Safety Control on Safety Accident Recognition and Safety Implementation**

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**Discussants** Ju Ho Lee (Sehan University, Korea)  
Ke Zhang (Chungbuk National University, Korea)  
Eun Mi Lee (Kookmin University, Korea)

**Lunch**

**12:00-13:20**

▪ **Section 1 [Korean]** Venue: Ara Convention Hall, Seminar Room 1

**Moderator** Jang Hee Lee (Chungbuk National University, Korea)

**Presenter** Yun Jeong Cha (Chungbuk National University, Korea)  
**Correlation between Safety and Health Education and Work Environment Crisis Management under the Occupational Safety and Health Act: Industrial Accidents**  
 Kyung Won Byeon (Chungbuk National University, Korea)  
**A Study on Accident and Prevention Measures in Hapkido Gymnasium**  
 Longtian An (Chungbuk National University, Korea)  
**A Study on the Factors Affecting the Effectiveness of Disaster Management Resources System**

**Discussants** Bonjun Koo (Research Institute for Humanity and Nature (RIHN), Japan)  
 Jeong Ryu (Seokyeong University, Korea)  
 Jun Hyeong Choi (Chungbuk National University, Korea)

▪ **Zoom Section 2 [English]** Venue: Ara Convention Hall, Seminar Room 2

**Moderator** Keiko Kitagawa (Seitoku University, Korea)

**Presenter** Gajendra Sharma (Kathmandu University, Nepal)  
**Deep Learning and Tweet Classification for Natural Disasters**  
 Qamar Uz Zaman (PMAS Arid Agriculture Rawalpindi University, Pakistan)  
**Variable Rate Spraying Technolohg:A Controlled, Practical Metod towards Mitigating Climate and Environmental Risks**  
 Yuan Wang (Chungbuk National University, Korea)  
**The Research on Relationship between Risk Perception, Social Support and Anxiety of Chinese University Students during COVID-19 Pandemic**  
 Muhammad Jehanzeb Masud Cheema (PAMS Arid Agriculture University, Pakistan)  
**Role of Precision Agriculture in Climate Change Adaptation**  
 Altangerel Bat-Orshikh (Ulaanbaatar University, Mongolia)  
**Some Issues Related to the Concept of the Constitution of Mongolia and the Security of Civilization**  
 Muhammad Shahidul Haque (Bangladesh Agricultural University, Bangladesh)  
**Climate Change Driven Disaster and its Consequence in Agriculture and Food Production in Bangladesh**  
 Muhammad Azam (Faculty of Agricultural Engineering and Technology, PMAS Arid Agriculture University, Rawalpindi, Pakistan)  
 Muhammad Nauman Altaf (Faculty of Agricultural Engineering and Technology, PMAS Arid Agriculture University, Rawalpindi, Pakistan)  
 Zeeshan Waheed (Faculty of Agricultural Engineering and Technology, PMAS Arid Agriculture University, Rawalpindi, Pakistan)  
 Tausif Khan (Faculty of Agricultural Engineering and Technology, PMAS Arid Agriculture University, Rawalpindi, Pakistan)  
 Jae Eun Lee (Chungbuk National University, Korea)  
 Seol A Kwon (Chungbuk National University, Korea)  
**Drought Early Warning Systems for disaster and risk reduction**  
 Bat-Erdene Gantuya (Mongolian National University, Mongolia)  
**Some Issues and Resolutions for Children's Rights During the Disaster COVID-19: Case Study in Mongolia**

**Discussants** Hyun Soo Park (Chungbuk National University, Korea)  
Da Young Kim (Chungbuk National University, Korea)  
Sung Soo Byun (Daejeon Sejong Research Institute, Korea)

■ **Section 3 [Korean]** Venue: Ara Convention Hall, Seminar Room 3

**Moderator** Jai Ho Oh (Nano C&W Co. Ltd., Korea)

**Presenter** Woongcheon Yoo (Chungbuk National University, Korea)  
A Study on ACT on Safety Insurance for Farmers and Fishers and Prevention of Work Accidents and Improvement of Safety Insurance for Farmers

Jong Wook Cho (Korea Expressway Corp & CBNU, Korea)  
A Study on the Development of Road Tunnel Disaster Prevention Plan Considering Electric Vehicle Fire

So Yeong Kwon (Chungbuk National University, Korea)  
Da Young Kim (Chungbuk National University, Korea)  
The Importance of Regional Characteristics in Determining Environmental Regulation : Focusing on the Total Water Pollution Load Management(TWPLM)

**Discussants** Hwang Woo Noh (Hanbat National University, Korea)  
Eun Mi Lee (Kookmin University, Korea)  
HyoungAh Kim (Jeju National University, Korea)

**Coffee Break**

**14:30-14:45**

■ **The 11th Session [English]**

**14:45-15:45**

■ **Plenary Session** ADPC Special Lecture

**Moderator** Jae Eun Lee (Chungbuk National University, Korea)

**Special Lecturer** Hans Guttman (Executive Director, Asian Disaster Preparedness Center)  
International Collaborative Resilience and Disaster Management Resources

**Coffee Break**

**15:45-16:00**

■ **The 12th Session**

**16:00-17:30**

■ **Section 1 [English]**

**Moderator** Jennifer Holmes (University of Texas at Dallas, USA)

**Presenter** Bogyong Mun (Chungbuk National University, Korea)  
A Study on the School Management System in the Crisis of Infectious Diseases: Focusing on the Procedures for Establishing the Policy and Guidelines

Eun Mi Lee (Kookmin University, Korea)  
What do we value more during pandemic? comparing public perception survey 2014 and 2021

Hyejeong Park (Changshin University, Korea)  
Kihun Nam (Changshin University, Korea)  
**Cascading Effects of Natural Hazards: Lessons Learned from Recent Natch Accidents, and Practices**

Ju Ho Lee (Sehan University, Korea)  
**Design of Disaster Response Facilities to Improve the Efficiency of Relief Services in Catastroph**

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**Discussants**      **Muhammad Azam** (PMAS Arid Agriculture Rawalpindi University, Pakistan)  
**Ke Zhang** (Chungbuk National University, Korea)  
**Lin Dong** (Chungbuk National University, Korea)

■ **Section 2 [English]**

**Moderator**      **Dohyeong Kim** (University of Texas, Dallas, USA)

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**Presenter**      **Seol A Kwon** (Chungbuk National University, Korea)  
**Jae Eun Lee** (Chungbuk National University, Korea)  
**What is the Appropriate Operation Plan of Disaster Management Resources for South Korea?**

**Wei Lu** (Chungbuk National University, Korea)  
**After the COVID-19 Using AI to Improve the Disaster Resilience**

**Linpei Zhai** (Chungbuk National University, Korea)  
**Evaluation of Local Government Disaster Preparedness Capacity: An Empirical Analysis Based on the Zhengzhou "7.20" Heavy Rainfall Disaster**

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**Discussants**      **Bonjun Koo** (Research Institute for Humanity and Nature(RIHN); Yuko Onishi, Japan)  
**Xiangyan Jin** (Chungbuk National University, Korea)  
**Jeong Ryu** (Seokyeong University, Korea)

■ **Section 3 [English]**

**Moderator**      **Jang Hee Lee** (Chungbuk National University, Korea)

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**Presenter**      **Min Sun Song** (Valdosta State University, USA)  
**Joungyoon Hwang** (Yonsei University, Korea)  
**Perceptual Risk and Resource Exchange in Disaster Management Network**

**Xiangnan Lin** (Chungbuk National University, Korea)  
**The Positive Impact of China's Carbon Emissions Trading Market Legal System Construction on Solving the Climate Crisis**

**Zhenyun Jin** (Chungbuk National University, Korea)  
**Research on Laws and Institutions Related to Infectious Diseases in China: Isolation Measures**

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**Discussants**      **Sang Min Lee** (Korea National University of Transportation, Korea)  
**Hwang Woo Noh** (Hanbat National University, Korea)

**Coffee Break** **17:30-17:40**

■ **The Closing Session Closing & Farewell Remarks Participants** **17:40-18:00**

**Farewell Dinner** **18:00-20:00**

# The 4<sup>th</sup> Day - 23 July, 2022

2022 Asian Conference on Crisisonomy

Registration

09:00-09:30

■ The Field Workshop

09:30-17:30

## ※ For Inquiry about Participation

### English

Seol A Kwon +82-10-5407-9637  
Lin Dong +82-10-2549-0546  
Ke Zhang +82-10-6668-8594  
Wei Lu +82-10-2163-0361

Ju Ho Lee +82-10-8794-5079  
Linpei Zhai +82-10-5103-9699  
Bogyong Mun +82-10-5599-5491  
Xiangyan Jin +82-10-7728-0733

### Korean

Hyun Soo Park +82-10-7191-0210  
Jee Eun Kim +82-10-9205-7295  
Jun Hyeong Choi +82-10-3645-3710  
Yun Suk Kim +82-10-4455-5206

Yun Jeong Cha +82-10-5447-1197  
Hyun Joo Lee +82-10-9165-2197  
Min Jeong Kim +82-10-9487-2197  
Mi Ra Seo +82-10-8283-4918

### Chinese

Longtian An +82-10-9143-4508  
Ke Zhang +82-10-6668-8594  
Wei Lu +82-10-2163-0361

Lin Dong +82-10-2549-0546  
Linpei Zhai +82-10-5103-9699  
Quan Jin +82-10-4030-0519



충북대학교 국가위기관리연구소



위기관리 이론과 실천  
Crisis and Emergency Management: Theory and Praxis



사단법인 이재민사랑본부



인천대학교 인천학연구원



아주대학교



승실대학교  
Soongsil University



재난안전관리학과  
Disaster and Safety Management

2022 실패박람회



다같이 사랑하는 제주도