



### **Chun-Hao Shao, Ph.D.**

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## **Education**

- Ph.D. in Urban Environmental Engineering, Kyoto University, Japan
  - M.Ed. in Education, National Chengchi University, Taiwan
  - B.A. in Literature, National Chengchi University, Taiwan
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## **Professional Experience**

- **Associate Professor & Director**, Graduate School of Disaster Management, Central Police University (Aug. 2025–present)
- **Associate Professor**, Graduate School of Disaster Management, Central Police University (Feb. 2020–present)
- **Assistant Professor**, Graduate School of Disaster Management, Central Police University (Aug. 2014–Jan. 2020)

- **Assistant Professor**, Department of Fire Science, Central Police University (Feb. 2014–Aug. 2014)
  - **Postdoctoral Research Fellow**, Center for Environmental Conservation and Disaster Prevention, Department of Civil Engineering, National Chung Hsing University (Jul. 2012–Jan. 2014)
  - **Adjunct Lecturer**, General Education Center, National Chung Hsing University (Aug. 2013–Jan. 2014)
  - **Adjunct Assistant Professor**, Department of Land Development, Chang Jung Christian University (Aug. 2013–Jan. 2014)
  - **Research/Administrative Assistant**, Disaster Prevention Research Institute, Kyoto University (Jun. 2009–Mar. 2012)
  - **Teacher & Homeroom Advisor**, Kaohsiung Municipal Girls' Senior High School (Feb. 2005–Aug. 2006)
  - **Second Lieutenant Administrative Officer (Mandatory Service)**, Beitou Political Warfare School (Jul. 2002–Jan. 2004)
  - **Research Assistant**, Graduate Institute of Education, National Chengchi University (Jan.–Jun. 2002)
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## Professional Services

- Advisory Member, Hsinchu County Government Disaster Prevention Committee (2024–present; 2019–2021)
  - Committee Member, Taoyuan Community Development Committee (2020–2022; 2024–present)
  - Committee Member, Disaster-Resilient Campus Program, Taoyuan City Department of Education (2025–present)
  - Vice President, Chinese Society for Urban Management (2022–2024)
  - Reviewer/Committee Member, various disaster prevention programs by Ministry of the Interior, Taipei City, New Taipei City, Kaohsiung City, and others (2015–present)
  - International Exchange Program Leader, Japan-Taiwan Youth Disaster Prevention Delegation (2018)
  - Member, Fire Emergency Response Working Group, Taipei City Department of Health (2015–present)
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## Research Projects (Principal Investigator / Co-PI)

- Disaster resilience and reconstruction planning in urban areas under large-scale earthquakes (MOST projects, 2017–2025)
  - Simulation of evacuation strategies in metro stations during peak hours (MOST 108-2625-M-015-002, 2019–2020)
  - Development of evacuation and safety assessment indicators for outdoor spaces (MOST 107-2119-M-015-001, 2018)
  - Community-based disaster risk reduction and public safety management (MOST projects, 2014–2017)
  - Studies on evacuation shelter planning and operation (MOST, Fire Agency commissions, 2013–present)
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## Publications

**Full List of Publications:** Please refer to the [NSTC Taiwan Academic R&D Service Network](#).

## Research Interests

- **Evacuation and Shelter Management:** Metro station evacuation simulation, large-scale event evacuation, shelter operation and logistics.
  - **Disaster-Resilient Communities and Schools:** Community-based disaster risk reduction, disaster education, and school safety management.
  - **Corporate Disaster Management:** Safety evaluation, hazardous materials management, public-private collaboration, and organizational resilience.
  - **Other Topics:** Firefighter psychology and occupational safety, pandemic and disaster risk management.
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## Teaching

### Undergraduate Courses

- Disaster Management and Emergency Response
- Disaster Prevention and Protection Practices
- Search and Rescue Operations

## **Graduate Courses**

- Research Methods
  - Applied Statistics
  - Multivariate Analysis
  - Disaster Law and Policy
  - Shelter Management and Logistics
  - Urban and Community Disaster Prevention
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## **Thesis Supervision (Selected)**

- Evacuation vulnerability in metro systems: Case study of Taoyuan MRT (2025)
- Evacuation simulation of elevated metro stations considering elderly passengers (2024)
- Shelter operation and management during COVID-19 vaccination programs (2021–2022)
- Studies on firefighter occupational risks and community resilience (2017–2021)
- Large-scale crowd safety and stampede prevention in Taiwan (2016–2020)