

Resume

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Dr. Hui-Mi Hsu
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Now

Dean of Engineering School, Professor, National Ilan University, Taiwan

Education

- 1989 — 1991 Ph.D., Civil Engineering, Memphis State University, USA
- 1986 — 1988 M.S., Civil Engineering, Memphis State University, USA
- 1979 — 1983 B.S., Civil Engineering, Feng Chia University, Taiwan

Experience

A. National Ilan University

- 2015 — 2018 Dean of Engineering School
- 2014 — 2015 General Consultant
- 2011 — 2015 Director, Center of Sustainable Development
- 2006 — 2008 Director, Graduate Institute of Architecture and Sustainable Planning
- 2005 — 2006 CEO, Center of Sustainable Development
- 2002 — 2005 Dean of General Affairs
- 1997 — 2002 Chairman, Civil Engineering Dept.

B. Others

- 2014 — 2016 Chairman, Sustainable Development Committee, Chinese Institute of Civil and Hydraulic Engineering
- 2014 — 2016 Chairman, Eastern Taiwan Dept., Chinese Institute of Civil and Hydraulic Engineering
- 2013 — 2016 Chairman, Eastern Taiwan Dept., Construction Management Association
- 2012 — 2015 Executive Director, Association of Chinese trade and Sustainable Development
- 2012 — 2013 Associate Chairman, Eastern Taiwan Dept., Chinese Institute of Civil and Hydraulic Engineering
- 2010 — 2013 Chairman, Eastern Taiwan Dept., Construction Management Association

- 2007 – 2014 Chairman, Institute of Sustainable Development Engineering
- 2007 – 2008 Visiting Professor, Yantai University, Shandong, China
- 2006 – 2008 Director, Chinese GIS Association
- 2005 – 2008 Chairman, Yilan Information Software Association
- 2002 – 2006 Chairman, Eastern Taiwan Dept., Chinese Institute of Civil and Hydraulic Engineering
- 2001 – 2003 Director, Members Committee, Chinese GIS Association
- 1992 – 1992 Associate Engineer, Taipei City Government
- 1989 – 1992 Research Assistant, Memphis Earthquake Center

Publications (Journals)

1. Wei-Ting Lin, Yuan-Chieh Wu, An Cheng and **Hui-Mi Hsu**, Seismic Response and Numerical Verification for A 1/25 Scale-down Reinforced Concrete Reactor Building Specimen, Transactions of the Canadian Society for Mechanical Engineering, Vol. 39, No. 3, 2015(SCI)
2. Sao-Jeng Chao, An Cheng, **Hui-Mi Hsu**, Jia-Ruey Chang, Li-Wei Teng and Sung-Ching Chen, Durability Quality Research of Concrete Containing Solar PV Cells, MATEC Web of Conferences, Vol.27 (2015) 01004, DOI: <http://dx.doi.org/10.1051/mateconf/20152701004>(EI)
3. An Cheng, **Hui-Mi Hsu**, Sao-Jeng Chao, Jia-Ruey Chang, Li-Wei Teng and Sung-Ching Chen, Factors Affecting the Quality of Concrete Containing Solar PV Cells through Taguchi Method, MATEC Web of Conferences, Vol.27 (2015) 01005, DOI: <http://dx.doi.org/10.1051/mateconf/20152701005> (EI)
4. **Hui-Mi Hsu**, An Cheng, Sao-Jeng Chao, Jia-Ruey Chang, Li-Wei Teng and Sung-Ching Chen The, Grey Relational Analysis of Quality Investigation of Concrete Containing Solar PV Cells, MATEC Web of Conferences, Vol. 27 (2015) 01006, DOI: <http://dx.doi.org/10.1051/mateconf/20152701006>(EI)
5. Sung-Ching Chen, Ran Huang, **Hui-Mi Hsu**, Jia-Ruey Chang, Li-Wei Teng, Strength Quality Research of Concrete Blended with Solar PV Cells, Advanced Materials Research Vols. 1061-1062, pp 392-395, 2015.(EI)
6. Wei-Ting Lin, Yuan-Chieh Wu, An Cheng, Sao-Jeng Chao, **Hui-Mi Hsu**, Engineering Properties and Correlation Analysis of Fiber Cementitious Materials, Materials Vol.7(11), pp 7423-7435, 2014 (SCI)
7. Sung-Ching Chen, Ran Huang, **Hui-Mi Hsu**, Li-Wei Teng, Yu-Pin Lai, Durability Quality Research of Cement Mortar Containing Solar PV Cells, Advanced Materials Research Vols. 1025-1026, pp 1020-1024, 2014.(EI)

8. Li-Wei Teng, Ran Huang, **Hui-Mi Hsu**, Jie Chen, Sao-Jeng Chao, Shih-Hsiang Chen, The Research of Concrete Sealer Penetrating Depths, *Advanced Materials Research Vols. 1025-1026*, pp 703-708, 2014.(EI)
9. Li-Wei Teng, Ran Huang, **Hui-Mi Hsu**, An Cheng, Jia-Ruey Chang, Ping-Hung Yu, Strength Quality Research of Cement Mortar Blended with Solar PV Cells, *Advanced Materials Research Vols. 1025-1026*, pp 1025-1030, 2014.(EI)
10. Sao-Jeng Chao, **Hui-Mi Hsu**, Howard Hwang, and Yu Kuan, 2014, "Investigation of the Stability of Geosynthetic Reinforced Soil Retaining Structure," *Innovative and Sustainable Use of Geomaterials and Geosystems*, Geotechnical Special Publication No. 245, pp. 49-55,2014.(EI)
11. Sao-Jeng Chao, Jia-Ruey Chang, **Hui-Mi Hsu**, and Han-Sheng Liu, 2014, Seismic Parametric Study of the FoGuang Geosynthetic Reinforced Slope, *Ground Improvement and Geosynthetics*, Geotechnical Special Publication No. 238, pp. 435-443, 2014.(EI)
12. Li-Wei Teng, Ran Huang, Jie Chen, An Cheng, **Hui-Mi Hsu**, A Study of Crystalline Mechanism of Penetration Sealer Materials, *Materials Vol.7(1)*, pp 399-412, 2014 (SCI)
13. Li-Wei Teng, Wei-Ting Lin, Jie Chen, An Cheng, **Hui-Mi Hsu**, The Component Analysis of Penetration Sealer Materials, *Advanced Materials Research Vol. 842* , pp 74-77, 2014.(EI)
14. Horng-Cherng Lai, Ting-Sung Yeh, Jen-Huan Chang, Yen-Kuang Yen, Huei-Tau Ouyang, **Hui-Mi Hsu**, Chia-Yu Liu, A Developing Flood Automation System, *Applied Mechanics and Materials Vols. 457-458*, pp 1220-1223, 2014.(EI)
15. Li-Wei Teng, Ran Huang, Si-Yu Zou, **Hui-Mi Hsu**, Protection Effectiveness of Concrete Surface Treating Materials, *Advanced Materials Research Vols. 834-836*, pp 749-754, 2014.(EI)
16. An Cheng, Wei-Ting Lin, Sao-Jeng Chao, **Hui-Mi Hsu**, and Chih-Cheng Huang, Effect of the Combination of Calcined Shale and Pozzolanic Materials on Compressive Strength of Concrete, *Advanced Materials Research*, Vol. 723, pp. 298-302, 2013. (EI)
17. Jia-Ruey Chang, **Hui-Mi Hsu** and Sao-Jeng Chao, Analyses of Asphalt Pavement Distresses Using Formal Concept Analysis (FCA), *Advanced Materials Research*, Vol. 723, pp. 790-797, 2103. (EI)
18. Sao-Jeng Chao, An Cheng, Wei-Ting Lin, **Hui-Mi Hsu**, and Yuan-Chieh Wu, Properties of Cement-based Materials Containing Crystalline Sealer, *Advanced Materials Research*, Vol. 723, pp. 474-479, 2013. (EI)
19. Zou S-Y, Huang R, Chi M-C, **Hsu H-M.**, Factors Affecting the Effectiveness of Inorganic Silicate Sealer Material through Multi-Quality Characteristics, *Materials*, Vol.6(3) , pp.1191-1204, 2013. (SCI)

20. **Hui-Mi Hsu**, Cement Hydration and Pore Structure of Cement-based Composites Containing Incinerator Bottom Ash, *Advanced Science Letters*, Vol.8, pp.725-729, 2012. (SCI)
21. **Hui-Mi Hsu**, Horng-Cherng Lai, Sao-Jeng Chao, An Cheng, Hao-Hsien Chen, Li-Ying Lee, Preliminary Regional Flood Damage Investigation, *Advanced Science Letters*, Vol.9, No.1, pp. 80-85, 2012. (SCI)
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23. Sao-Jeng Chao, An Cheng, **Hui-Mi Hsu**, and Kae-Long Lin, Investigations of Calcined Bagasse Ash on Mechanical Properties of Cement-based Materials, *Advanced Science Letters*, Vol.15, pp.164-168, 2012. (SCI)
24. Sao-Jeng Chao, **Hui-Mi Hsu**, Jia-Ruey Chang, Optimal Resource Allocation for Disaster Prevention and Rescue by De Novo Programming - A Case Study of ILan County in Taiwan, *Applied Mathematics & Information Sciences*, Vol.6, No.6S, pp.53-59, 2012. (SCI)
25. **Hui-Mi Hsu**, Effects of Circulating Fluidized Bed Combustion Fly Ash on the Properties of Alkali-Activated Slag Cement Mortars, *Journal of Marine Science and Technology*, Vol.20, No. 2, pp.223-232, 2012. (SCI, EI)
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27. Jia-Ruey Chang, **Hui-Mi Hsu**, Sao-Jeng Chao, Development of A Road Monitoring and Reporting System Based on Location-Based Services and Augmented-Reality Technologies, *J. of Performance of Constructed Facilities*, Vol.26, No.6, pp.812–823, 2012. (SCI)
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29. **Hui-Mi Hsu**, Sao-Jeng Chao, Jia-Ruey Chang, Combining Data Mining Technique and Group Method of Data Handling (GMDH) Method to Assess Flexible Pavement Conditions, *Advanced Materials Research*, Vol.255-260, pp.4242-4246, 2011. (EI)
30. **Hui-Mi Hsu**, Hao-Hsien Chen, Sao-Jeng Chao, An Cheng, Li-Ying Lee, Zhi-Wen Hong, A Study for the Time Effect of Asphalt Pavements on Suburban Roads, *Advanced Materials Research* Vol.243-249, pp.4157-4160, 2011. (EI)
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 37. Yun-Sheng Yen, Wei-Te Hsiao, **Hui-Mi Hsu**, Hao-Hsien Chen, An M-Taiwan experience on mobile WiMAX, *Int. J. Autonomous and Adaptive Communications Systems*, Vol. 4, No. 3, pp.252-270, 2011.
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 39. Sao-Jeng Chao, **Hui-Mi Hsu**, Howard Hwang, Soil Liquefaction Potential in Ilan City and Lotung Town, Taiwan, *Journal of GeoEngineering*, Vol.5, No.1, pp.19-24, 2010. (EI)
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58. 徐輝明，林漢俊，1/1000GIS 地形圖之數值門牌系統建置程序之研究，中華建築技術學刊，第1卷，第1期，pp.115-120，2004。
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