CV of Tzu-Ming Liu

● **Personal Information:**
  **Dr. Tzu-Ming Liu**
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● **Education**
  **Ph.D in Bioenvironmental Systems Engineering**, National Taiwan University. Since July 2010.

  **M.E. in Civic and Hydraulic Engineering Institute**, Feng-Chia University, June 1998.

  **B.E. in Hydraulic Engineering**, Feng-Chia University, June 1996.

● **Employment**
  Nov 2016~present  Project-Appointed Assistant Researcher at Climate Change Division, National Science and Technology Center for Disaster Reduction
  Oct 2010~ Oct 2016  Postdoctoral Researcher at Bioenvironmental Systems Engineering, National Taiwan University, Taipei, Taiwan

● **Primary domain**
  Water Resources Management

● **Research Field**
  Vulnerability Assessment to Climate Change, Water Resources Management, Statistical Downscaling, Drought Warning, Heuristic Algorithm

● **Computer Skills**
  **Computer OS**  Windows, Mac, Linux
  **Office Software**  WORD, EXCEL, VISIO
  **Analytical Software**  VENSIM, GRAPHER, SURFER, EXCEL, ArcGIS, Quantum GIS
  **Programming Language**  FORTRAN, Visual Basic, EXCEL VBA, (Right now learning JAVA, Objective C)
  **Web Design**  HTML, Dreamweaver, Joomla
Journal Papers


Ming-Hsu Li, Kai-Jia Tseng, Ching-Pin Tung, Dong-Sin Shih, Tzu-Ming Liu (2017, Feb). Assessing water resources vulnerability and resilience of southern Taiwan to climate change. Terrestrial, Atmospheric & Oceanic Sciences, 28(1). (SCI)


Ching-Pin Tung, Tze-Chi Tseng, An-Lei Huang, Tzu-Ming Liu, Ming-Che Hu (2013, Feb). Impact of climate change on Taiwanese power market determined using linear complementarity model. APPLIED ENERGY, 102, 432-439. (SCI).


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- **Conference**


  Tzu-Ming Liu, Bo Cheng Huang, Yen-Chen Huang, Huei-Lin Lee, Jung-Lien Chu, Yung-Ming Chen (2017, Sep). Climate Change Research Data Service in Taiwan. Research Data Alliance the 10th Plenary Meeting, Montreal, Canada.


  Yu-Chuan Tien, Ching-Ping Tung, Tzu-Ming Liu, Chia-Yu Lin (2016, Apr). A Drought Early Warning System Using System Dynamics Model and Seasonal Climate Forecasts: a case study in Hsinchu, Taiwan. EGU General Assembly Conference, Vienna,Austria.

  Ching-Pin Tung, Tzu-Ming Liu , Ming-Hsu Li, Jung-Hsuan Tsao and Chia-Yu Lin, (2015),
Developing the Climate Change Adaptation Supportive Tools for Cross-Sectoral Risk Assessment, European Climate Change Adaptation 2015 Conference, Denmark.

Kai-Jia TSENG, Ming-Hsu Li, Ching-Pin TUNG, Tzu-Ming LIU, Dong-Sin SHIH, (2015), Using Climate Change Scenarios to Assess Vulnerability and Resilience of Water Resources in Taiwan, Asia Oceania Geosciences Society 12th Annual Meeting, Singapore

Hailu Sheferaw Ayele, Ming-Hsu Li, Ching-pin Tung and Tzu-Ming Liu, (2015), Assessing Impact of Climate Change on the Runoffs of Gilgel Abbay Watershed, the upper Blue Nile Basin, Ethiopia, AGU 2015 Fall Meeting, San Francisco, USA.


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