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Transportation planning、Transportation system analysis、Evacuation planning and operation、

Traveler behavior and traveler information system、Traffic and spatial network analysis

## 期刊論文 (Journal Paper)

1. Hsu, Y.-T., and Peeta, S. (2014). Behavior-consistent information-based network traffic control for evacuation operations. *Transportation research part C*, 48, 339-359. (SCI)
2. Hsu, Y.-T., and Peeta, S. (2014). Risk-based spatial zone determination problem for stage-based evacuation operations. *Transportation Research Part C*, 41, 73-89. (SCI)
3. Hsu, Y.-T., and Peeta, S. (2013). Clearance time estimation for incorporating evacuation risk in routing strategies for evacuation operations. *Networks and Spatial Economics*, 1-22. (SCI)
4. Hsu, Y.-T., and Peeta, S. (2013). An aggregate approach to model evacuee behavior for no-notice evacuation operations. *Transportation*, 40(3), 671-696. (SCI)

## 研討會論文 (Conference Papers)

1. Chang, T.-H., Chen, A. Y., Hsu, Y.-T., and Yang, C.-L. (2014). Freeway Travel Time Prediction Based on Seamless Spatio-Temporal Data Fusion: Case Study of the Freeway in Taiwan. In the 14th Transportation Planning and Implementation Methodologies for Developing Countries, Mumbai, India.
2. Hsu, Y.-T., and Peeta, S. (2014). Using behavior-consistent information-based control for traffic routing in real-time evacuation operations. In Transportation Research Board 93rd Annual Meeting, Washington D.C, USA.
3. Hsu, Y.-T., and Peeta, S. (2014). Clearance time estimation for assessing evacuation risk in real-time evacuation operations. In Transportation Research Board 93rd Annual Meeting, Washington D.C, USA.
4. Song, D. Y., Hsu, Y.-T., and Peeta, S. (2012). Value of travel information:

- implications for quality of travel experience. In the 13th International Conference on Travel Behavior Research, Toronto, Canada.
5. Sharma, S., Hsu, Y.-T., Song, D. Y., and Peeta, S. (2012). Development of realistic behavior models for reliable assessments of benefits from real-time traveler information provision. In the 13th International Conference on Travel Behavior Research, Toronto, Canada.
  6. Hsu, Y.-T., and Peeta, S. (2012). Demand-priority routing for dynamic traffic assignment in evacuation problems. In the 4th International Symposium on Dynamic Traffic Assignment, Martha's Vineyard, MA, USA.
  7. Hsu, Y.-T., and Peeta, S. (2011). Investigating the role of risk in demanding modeling and management for evacuation operations. In the 1st Conference of Transportation Research Group of India, Bangalore, India.
  8. Hsu, Y. T., & Peeta, S. (2011). Behavior modeling for information-based no-notice evacuation. In Transportation Research Board 90th Annual Meeting, Washington D.C,

#### 技術報告與其他：

1. Peeta, S., Sharma, S., and Hsu, Y.-T. (2011). Dynamic real-time routing for evacuation response planning and execution. FHWA/IN/JTRP-2011/08