





- OF M. Burak Cankaya, Ezra Wari, and **Berna Eren Tokgoz**. “A Chemical Tanker Scheduling Problem: Port of Houston Case Study”, *Int. J. of Planning and Scheduling* 3(1) **2019**.
- JF Md Morshedul Alam, **Berna Eren Tokgoz**, and Seokyon Hwang. “Framework for Measuring the Resilience of Utility Poles of an Electric Power Distribution Network”, *International Journal of Disaster Risk Science*, 10(2) **2019**. doi: 10.1007/s13753-019-0219-8.
- ?F Burak Cankaya, Ezra Wari, and **Berna Eren Tokgoz**. “A Practical Approach to Chemical Tanker Scheduling in a Port: A Case Study”, *Maritime Economics & Logistics* 21(1-3) **2019**. doi:10.1057/s41278-019-00122-w.
- NF **Berna Eren Tokgoz**, Mahdi Safa, and Seokyon Hwang. “Resilience Assessment of Power Distribution Systems” *International Journal of Civil, Environmental, Structural, Construction, and Architectural Engineering*, Vol.11 (6), p. 802-807, 2017.
- LF **Berna Eren Tokgoz** and Adrian V. Gheorghe. “Probabilistic Resilience for Building Systems Exposed to Natural Disasters”, *J. of Critical Infrastructures*. Vol. 10, 3(4), p.375-397, 2014.
- @AF **Berna Eren Tokgoz** and Adria

Technology” *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, USA, May 2019.*

- ?F Zanbo Zhu, Md Morshedul Alam, **Berna Eren Tokgoz**, Seokyon Hwang, and Jing Zhang. “Monitoring Utility Pole Health Conditions Using UAV and Deep Learning” *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, USA, May 2019.*
- NF Md Morshedul Alam, **Berna Eren Tokgoz**, Ozge Gunaydin-Sen, and Mamta Singh. "The Importance of Success in General Chemistry for STEM Majors" *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, USA, May 2019.*
- LF Ayberk Karakavuz, **Berna Eren Tokgoz**, and M. Burak Cankaya. “Risk Assessment of Commonly Transported Chemicals in Ports” *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, May 2018.*
- @AF Md Morshedul Alam, **Berna Eren Tokgoz**, Mahdi Safa, and Seokyon Hwang. "Evaluation of Effects of Wind Speed on Resilience of Electric Poles" *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, USA, May 2018.*
- @@F Md Morshedul Alam, **Berna Eren Tokgoz**, Ozge Gunaydin-Sen, and Mamta Singh. "Survey Study on the Retention Rate for Undergraduate Students in STEM" *Proc. of Industrial and Systems Engineering Research Conference, Orlando, FL, USA, May 2018.*
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]F Nader Madkour and **Berna Eren Tokgoz**. "Analysis of Non-



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