

## Tanay Topac

Ph.D. Student in Aeronautics and Astronautics, admitted Autumn 2016

### Publications

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#### PUBLICATIONS

- **Enabling self-shape estimation of composite structures using distributed microfabricated strain gauge networks** *JOURNAL OF COMPOSITE MATERIALS*  
Chen, X., Nasrollahi, A., Ransom, E., Topac, T., Chang, F.  
2022
- **Si-based self-programming neuromorphic integrated circuits for intelligent morphing wings** *JOURNAL OF COMPOSITE MATERIALS*  
Nathan, D., Deo, A., Haughn, K., Yi, S., Lee, J., Gao, D., Shenoy, R., Xu, M., Tran, I. C., Zheng, J., Rong, Z., Wang, M., Shaffer, et al  
2022
- **Hybrid Models for Situational Awareness of an Aerial Vehicle from Multimodal Sensing** *AIAA JOURNAL*  
Topac, O., Ha, S., Chen, X., Gamble, L., Inman, D., Chang, F.  
2022
- **Design and Integration of a Wireless Stretchable Multimodal Sensor Network in a Composite Wing.** *Sensors (Basel, Switzerland)*  
Chen, X., Maxwell, L., Li, F., Kumar, A., Ransom, E., Topac, T., Lee, S., Faisal Haider, M., Dardona, S., Chang, F.  
2020; 20 (9)
- **Characterization of Distributed Microfabricated Strain Gauges on Stretchable Sensor Networks for Structural Applications** *SENSORS*  
Chen, X., Topac, T., Smith, W., Ladpli, P., Liu, C., Chang, F.  
2018; 18 (10)
- **Characterization of Distributed Microfabricated Strain Gauges on Stretchable Sensor Networks for Structural Applications.** *Sensors (Basel, Switzerland)*  
Chen, X., Topac, T., Smith, W., Ladpli, P., Liu, C., Chang, F.  
2018; 18 (10)