

Significant Publications

1. Jacob Hopkins*, Forrest Joy*, Alaa Sheta, Hamza Turabieh, and Dulal Kar, "Path planning for indoor UAV using A* and late acceptance hill climbing algorithms utilizing probabilistic roadmap," *International Journal of Engineering & Technology*, 2020, vol. 9, no. 6, pp. 57-862.
<https://www.sciencepubco.com/index.php/ijet/article/view/31033>.
2. Jesse McDonald*, Jason Pollard*, Michael J. Starek, and Dulal Kar, "Surfzone bathymetry estimation using wave characteristics observed by unmanned aerial systems," *Proceedings of the 2020 IEEE Geoscience and Remote Sensing Symposium (IGARSS)*, October 2020.
3. Hailey Chapman*, Henry O'Connor*, Michael J. Starek, and Dulal Kar, "A framework for determination of ocean wave properties using unmanned aerial systems," *Proceedings of the International Conference on Scientific Computing*, July 2019, pp. 35-39.
4. Wei Chen*, Dulal Kar, and Simon Merheb*, "Vision based coastline detection for autonomous unmanned aerial systems," *Proceedings of the International Conference on Image Processing, Computer Vision, and Pattern Recognition (ICCV'19)*, July 2019, pp. 89-93.
5. Vincent Tran*, Jesus Nunez*, and Ajay Katangur, "Protecting the unmanned aerial vehicle from cyberattacks," *Proceedings of the International Conference on Security and Management (SAM'19)*, July 2019.
6. Adnan Yunus*, Garrett Shake*, and Dulal Kar, "Tracking of shorelines using unmanned aerial systems," *Int'l Conf. on Image Process., Comp. Vision, and Pattern Recognition (ICCV'21)*, July 2021.
7. Dulal Kar, Longzhuang Li, and Ahmed Mahdy. "Research experience for undergraduates in applied computing with regional research themes," *The 17th Int'l Conf. on Frontiers in Education in Computer Science and Computer Engineering (FECS'21)*, July 2021.