

Nikhil Poole

Ph.D. Student in Electrical Engineering, admitted Autumn 2020

Publications

PUBLICATIONS

- **Anchor-Based, Real-Time Motion Compensation for High-Resolution mmWave Radar** *IEEE JOURNAL OF MICROWAVES*
Poole, N., Arbabian, A.
2024
- **Location-aware ingestible microdevices for wireless monitoring of gastrointestinal dynamics.** *Nature electronics*
Sharma, S., Ramadi, K. B., Poole, N. H., Srinivasan, S. S., Ishida, K., Kuosmanen, J., Jenkins, J., Aghlmand, F., Swift, M. B., Shapiro, M. G., Traverso, G., Emami, A.
2023; 6 (3): 242-256
- **A 130-nm Fusion-Based Deconvolution Kernel Generator IC for Real-Time mmWave Radar Motion Compensation** *IEEE ACCESS*
Poole, N., Arbabian, A.
2023; 11: 132223-132238
- **A Real-Time, Frame-Level Platform Vibration Compensation Approach for mmWave Radar Systems** *2021 18th European Radar Conference (EuRAD)*
Poole, N., Hor, S., Arbabian, A.
IEEE.2022: 4
- **Single-Snapshot Pedestrian Gait Recognition at the Edge: A Deep Learning Approach to High-Resolution mmWave Sensing**
Hor, S., Poole, N., Arbabian, A., IEEE
IEEE.2022
- **A Real-Time, Frame-Level Platform Vibration Compensation Approach for mmWave Radar Systems**
Poole, N., Hor, S., Arbabian, A., IEEE
IEEE.2021: 181-184