
AUTHOR'S RELEVANT PUBLICATION

JOURNALS:

1. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Micro-Doppler classification of human movements using spectrogram spatial features and support vector machine," *International Journal of RF and Microwave Computer-Aided Engineering*, vol. 30, no. 8, p. e22264, 2020.
2. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Implementation of a simple stepped frequency continuous wave target localization system comprising two antennas based on common region of sensing," *International Journal of RF and Microwave Computer-Aided Engineering*, vol. 29, no. 8, p. e21795, 2019.

CONFERENCE/SYMPOSIA:

1. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Human micro-Doppler intensity transformation for gait velocity estimation," *2020 URSI Regional Conference on Radio Science (URSI-RCRS)*, IIT (BHU) Varanasi, India, IEEE, pp. 1-4, 2020.
2. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Behind the Wall Heartbeat Detection using SVD and MTI Filtering," *URSI Asia-Pacific Radio Science Conference (AP-RASC)*, New Delhi, India, IEEE, pp. 1-4, 2019.
3. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Through the Wall Human Signature Detection using Principle Component Analysis (PCA)," *2018 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting*, Boston, USA, IEEE, pp. 1975-1976, 2018.
4. **Vineet Singh**, Somak Bhattacharyya, Pradip Kumar Jain, "Improvement of Human lifesign containing signal behind the wall using PCA," *11th Annual Conference, Antenna Test and Measurement Society*, Pune, India, 2018.
5. **Vineet Singh**, Somak Bhattacharyya, and Pradeep Kumar Jain, "Experimental Study on Heartbeat Detection using Microwave Stepped Frequency Radar," *2017 National Symposium on Vacuum Electronic Devices & Applications*, IIT Roorkee, India, 2017.
6. **Vineet Singh**, Pragati Kesharwani, and Pradip Kumar Jain. "Determination of Target Position using Microwave Imaging System," *2016 National Symposium on Vacuum Electron Devices and Application*, IPR Gandhinagar, India, 2017.