



[FrA2] [Special Session] Application of Machine Learning Algorithms to Antenna Design and Radar Signal Processing

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| Date / Time | Oct. 26 (Fri.), 2018 / 10:30-12:10 |
| Place | Room A (Grand Ballroom 1) |
| Session Chair | Youngwook Kim (California State University, USA) |

FrA2-1

10:30-10:50

Application of Machine Learning to Antenna Design and Radar Signal Processing: A Review

Youngwook Kim

California State University, USA

FrA2-2

10:50-11:10

Classification of Drone Type Using Deep Convolutional Neural Networks Based on Micro Doppler Simulation

Byunggil Choi and Daegun Oh

DGIST, Korea

FrA2-3

11:10-11:30

Radar Application of Deep Neural Networks for Recognizing Micro-Doppler Radar Signals by Human Walking and Background Noise

Jihoon Kwon^{1,2}, Seoungui Lee^{1,2}, and Nojun Kwak²

¹*Hanwha Systems, Korea*, ²*Seoul National University, Korea*

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11:30-11:50

Decision-Level Fusion Scheme of SVM and Naive Bayes Classifier for Radar Target Recognition

Young-Jae Choi¹, In-Sik Choi¹, and Dae-Young Chae²

¹*Hannam University, Korea*, ²*ADD, Korea*

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11:50-12:10

Fast DCNN-Based Human Activity Classification with On-Body Antenna Using Generative Models

Hyeongmin Park and Taesup Moon

Sungkyunkwan University, Korea