## Application of Machine Learning Algorithms to Antenna Design and Radar Signal Processing

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<th>Date / Time</th>
<th>Oct. 26 (Fri.), 2018 / 10:30-12:10</th>
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<td>Place</td>
<td>Room A (Grand Ballroom 1)</td>
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<td>Session Chair</td>
<td>Youngwook Kim (California State University, USA)</td>
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### 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\(^1\,^2\), Seoungeui Lee\(^1\,^2\), and Nojun Kwak\(^2\)

\(^1\)Hanwha Systems, Korea, \(^2\)Seoul National University, Korea

### FrA2-4 11:30-11:50

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

Young-Jae Choi\(^1\), In-Sik Choi\(^1\), and Dae-Young Chae\(^2\)

\(^1\)Hannam University, Korea, \(^2\)ADD, Korea

### FrA2-5 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*