# SICE2019 Award Finalists and Winner

## International Award

### Basic Technology Award (BA)

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Author</th>
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<tbody>
<tr>
<td>ThA03.3</td>
<td>Topological Controllability of Undirected Networks of Diffusively-Coupled Agents</td>
<td>Kwon Seong-Ho</td>
</tr>
<tr>
<td>FrB06.4</td>
<td>A Big Data based Approach to Chance Constrained Problems using Weighted Stratified Sampling and Differential Evolution</td>
<td>Tagawa, Kiyoharu</td>
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<tr>
<td>FrC04.2</td>
<td>On a New Class of Structurally Balanced Graphs for Scaled Group Consensus</td>
<td>Hanada, Kenta</td>
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### Application Award (AP)

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<tr>
<td>ThB04.2</td>
<td>A Measurement System for Skill Evaluation of Laparoscopic Surgical Procedures</td>
<td>Ebina, Koki</td>
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<tr>
<td>FrB01.3</td>
<td>The Optimal Coordination of Connected and Automated Vehicles at Roundabouts</td>
<td>Bakibillah, A S M</td>
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<tr>
<td>FrC02.4</td>
<td>Development and Evaluation of a Kinect-Based Motion Recognition System Based on Kalman Filter for Upper-Limb Assistive Device</td>
<td>Liao, Yun-Ting</td>
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### Young Author's Award

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<td>WeA03.2</td>
<td>Unconstrained Monitoring of Pulse Pressure Waves from the Surface of the Subject's Back</td>
<td>Mito, Akihisa</td>
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<td>WeC03.4</td>
<td>Contouring Control Consensus for Robot Manipulators</td>
<td>Chen, Ruihuang</td>
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<tr>
<td>ThB02.1</td>
<td>Dynamics Modeling of Necessary Quantity of Relief Supplies in Large-Scale Disasters</td>
<td>Kai, Shizuku</td>
</tr>
<tr>
<td>FrA08.3</td>
<td>Biomolecular Switch Circuits for Molecular Robots using a DNA Strand Displacement Mechanism</td>
<td>Watanabe, Keisuke</td>
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### Poster Presentation Award

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<tr>
<td>ThAPo04.3</td>
<td>Saliency Map Extraction in Human Crowd RGB Data</td>
<td>Nguyen, Minh Tri</td>
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<td>ThAPo04.2</td>
<td>Validity of Inertial Measurement Units in Assessing Segment Angles and Mechanical Energies of Elderly Persons During Sit-To-Stand Motion</td>
<td>Hanawa, Hiroki</td>
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<tr>
<td>ThAPo03.2</td>
<td>Noncontact Pulse Wave Detection Technique Using Micro-Spectrometer</td>
<td>Takahashi, Yukio</td>
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<td>ThAPo01.6</td>
<td>State Estimation by Observer Using Median Operation for Observed Output with Outliers</td>
<td>Okajima, Hiroshi</td>
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<td>ThAPo01.7</td>
<td>Basic Idea of Periodically Time-Varying Dynamic Quantizer in Networked Control Systems</td>
<td>Okajima, Hiroshi</td>
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<tr>
<td>ThAPo02.1</td>
<td>Performance Assessment of Primary Frequency Regulation Based on Static Characteristics</td>
<td>Gao, Song</td>
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<td>ThAPo08.4</td>
<td>An Intuitive Risk Information Display Via Skin for Wearable Devices</td>
<td>Kaiho, Yoshiyuki</td>
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<td>ThAPo07.4</td>
<td>Sway Angle Estimation on Crawler Cranes with Acoustic Signal Processing</td>
<td>Horie, Naoki</td>
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<tr>
<td>ThAPo06.6</td>
<td>Kriging Interpolation for Vapor Pressure Deficit in Plant Factory with Solar Light</td>
<td>Koga, Takashi</td>
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<tr>
<td>ThAPo03.3</td>
<td>Sensory Attenuation Characteristics for Periodic Force Variation</td>
<td>Nuruki, Atsuo</td>
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### Student Travel Grant Award (STGA)

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<tbody>
<tr>
<td>FrB08.2</td>
<td>Detection of P-Wave Onset in Seismic Signals Using Wavelet Packet Transform</td>
<td>Kanchan Aggarwal</td>
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<tr>
<td>FrB01.3</td>
<td>The Optimal Coordination of Connected and Automated Vehicles at Roundabouts</td>
<td>A. S. M. Bakibillah</td>
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<tr>
<td>WeC08.7</td>
<td>Predictive Guidance and Control for Astrobot Robots Operating in the International Space Station</td>
<td>Isaac Kassim</td>
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