

SICE2019 Award Finalists and Winner

International Award

Basic Technology Award (BA)

	ID	Title	Author
Winner	ThA03.3	Topological Controllability of Undirected Networks of Diffusively-Coupled Agents	Kwon Seong-Ho
	FrB06.4	A Big Data based Approach to Chance Constrained Problems using Weighted Stratified Sampling and Differential Evolution	Tagawa, Kiyoharu
	FrC04.2	On a New Class of Structurally Balanced Graphs for Scaled Group Consensus	Hanada, Kenta

Application Award (AP)

	ID	Title	Author
Winner	ThB04.2	A Measurement System for Skill Evaluation of Laparoscopic Surgical Procedures	Ebina, Koki
	FrB01.3	The Optimal Coordination of Connected and Automated Vehicles at Roundabouts	Bakibillah, A S M
	FrC02.4	Development and Evaluation of a Kinect-Based Motion Recognition System Based on Kalman Filter for Upper-Limb Assistive Device	Liao, Yun-Ting

Young Author's Award

	ID	Title	Author
Winner	WeA03.2	Unconstrained Monitoring of Pulse Pressure Waves from the Surface of the Subject's Back	Mito, Akihisa
	WeC03.4	Contouring Control Consensus for Robot Manipulators	chen, ruishuang
	ThB02.1	Dynamics Modeling of Necessary Quantity of Relief Supplies in Large-Scale Disasters	Kai, Shizuku
	FrA08.3	Biomolecular Switch Circuits for Molecular Robots using a DNA Strand Displacement Mechanism	Watanabe, Keisuke

Poster Presentation Award

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

Student Travel Grant Award (STGA)

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