

Congratulations!

【Student Session】

◆ General Chairperson Award

Mr. Akifumi Wachi, The University of Tokyo, JAPAN

Paper No. 2017-s-05

"Low-Thrust Trajectory Design to Improve Overall Mission Success Probability Incorporating Target Changes in Case of Engine Failures"

He will be given the opportunity to attend IAC(The International Astronautical Congress which will be held in Adelaide, Australia from 25 – 29 September, 2017).

◆ JSASS President Award

Ms. Kumi Nakai, Tokyo University of Agriculture and Technology, JAPAN

Paper No. 2017-s-09

"Development of Engineering Model Providing Body Force Distribution of Tri-electrode Plasma Actuator"

◆ Modi Memorial Jaya-Jayant Award

Mr. Yoshinari Kobayashi, The University of Tokyo, JAPAN

Paper No. 2017-s-14

"Laser-induced Spark Ignition for DME-Air Mixtures under Microgravity"

◆ JAXA President Award

Mr. Yuki Takao, The University of Tokyo, JAPAN

Paper No. 2017-s-07

"Attitude and Orbit Control of a Spinning Solar Sail by the Vibrational Input on the Sail Membrane"

He will be given the opportunity to attend IAC(The International Astronautical Congress which will be held in Adelaide, Australia from 25 – 29 September, 2017).

◆ SPSS President Award

Mr. Mikihiro Ikura, The University of Tokyo, JAPAN

Paper No. 2017-s-08

"Estimation Algorithm of Relative Position and Attitude during Proximity Rendezvous and Docking Using Multiple Ultra-Wide-Band Devices"

◆ **Ehime-Matsuyama Executive Committee Award**

Mr. Ryo Sakagami, The University of Tokyo, JAPAN

Paper No. 2017-s-20

"Visualization Methods for Spacecraft Telemetry Data Using Change-point Detection and Dimensionality Reduction"

◆ **Japanese Rocket Society Award**

Mr. Matthew Richardson, The University of Tokyo, JAPAN

Paper No. 2017-s-13

"Analysis of Expander-Cycle Rocket Engine Performance at Varying Mixture Ratios"

【Best Poster Award】

First Prize

Dr. Yoshinori Nakayama, National Defense Academy, Japan

Paper No. 2017-b-70p

"Feasibility Study on Rarefied Propellant Flow Measurement"

Second Prize

Mr. Abdulla Hil Kafi, Kyushu Institute of Technology, Japan

Paper No. 2017-f-103p

"Design and Implementation of Single Event Latch-up Measurement and Self-Recovery System for BIRDS CubeSat"

Third Prize

Dr. Hodei Urrutxua, University of Southampton, UK

Paper No. 2017-r-65p

"Graphical Methodology for the Preliminary Design of an Ion-Beam Shepherd Mission"

【The 9th Spacecraft Control System Design Contest】

General Category First Prize

Mr. Kenji Kitamura,
Mitsubishi Electric Corporation, Japan

Student Category First Prize

Team Matsunaga Laboratory B4,
Tokyo Institute of Technology, Japan

【The 9th Global Trajectory Optimization Competition : The Kessler Run 】

First Prize

Jet Propulsion Laboratory

Anastassios Petropoulos, Daniel Grebow, Drew Jones, Gregory Lantoine,
Austin Nicholas, Javier Roa, Juan Senent, Jeffrey Stuart, Nitin
Arora, Thomas Pavlak, Try Lam, Timothy McElrath, Ralph Roncoli,
David Garza, Nicholas Bradley, Damon Landau, Zahi Tarzi, Frank
Laipert, Eugene Bonfiglio, Mark Wallace, Jon Sims

Second Prize

National University of Defense Academy

Ya-Zhong Luo, Yue-He Zhu, Zhen Yang, Hai Zhu, Shuai Mu, Jin Zhang,
Zhen-Jiang Sun, Jun Liang

Third Prize

Xi'an Satellite Control Center

Hong-Xin Shen, An-Yi Huang, Tian-Jiao Zhang, Zhao Li, Zheng Che,
Yi Lu, Jun-Feng Li, Pu Huang, Chun-Sheng Jiang, Zhi-Bin Zhang,
Heng-Nian Li