

Keidai Iiyama

Ph.D. Student in Aeronautics and Astronautics, admitted Autumn 2021

Publications

PUBLICATIONS

- **LuPNT: An Open -Source Simulator for Lunar Communications, Positioning, Navigation, and Timing**
Vila, G., Iiyama, K., Gao, G., IEEE
IEEE.2025
- **Orbit Determination and Time Synchronization for the Future Mars Relay and Navigation Constellation**
Iiyama, K., Jun, W. W., Bhamidipati, S., Gao, G., Cheung, K., IEEE
IEEE.2025
- **Satellite Ephemeris Parameterization Methods to Support Lunar Positioning, Navigation, and Timing Services** *NAVIGATION-JOURNAL OF THE INSTITUTE OF NAVIGATION*
Cortinovis, M., Iiyama, K., Gao, G.
2024; 71 (4)
- **Contact Plan Optimization and Distributed State Estimation for Delay Tolerant Satellite Networks**
Iiyama, K., Vila, G., Gao, G., IEEE
IEEE.2024
- **Terrestrial GPS Time-Differenced Carrier-Phase Positioning of Lunar Surface Users**
Iiyama, K., Bhamidipati, S., Gao, G., IEEE
IEEE.2023
- **Precise Positioning and Timekeeping in a Lunar Orbit via Terrestrial GPS Time-Differenced Carrier-Phase Measurements** *NAVIGATION-JOURNAL OF THE INSTITUTE OF NAVIGATION*
Iiyama, K., Bhamidipati, S., Gao, G.
2023; 71 (1)