
EDUCATION

- **The Chinese University of Hong Kong** Hong Kong
Ph.D. Student in Mechanical and Automation Engineering; GPA: 3.68/4 *Sep. 2020 – Present*
- **Beihang University (BUAA)** Beijing, China
Master of Engineering in Aerospace Science and Technology; GPA: 3.65/4 *Sep. 2017 – Jan. 2020*
- **Beihang University (BUAA)** Beijing, China
Bachelor of Engineering in Flight Vehicle Design and Engineering; GPA: 3.70/4 *Sep. 2013 – Jul. 2017*

PUBLICATIONS

Journal Papers

- [1] **Rui Zhang**, Chao Han, Xiucong Sun, and Zheng Qi. Initial Orbit Determination from Atmospheric Drag Direction. *Journal of Guidance, Control, and Dynamics*, 2019.
- [2] **Rui Zhang**, Yuanjin Yu, Chao Han, and Zhaohua Yang. An anti-saturation steering law for Three Dimensional Magnetically Suspended Wheel cluster with angle constraint. *Acta Astronautica*, 2018, 151: 467-474.
- [3] Xinwei Wang, Chao Han, **Rui Zhang** and Yi Gu. Scheduling multiple agile Earth observation satellites for oversubscribed targets using complex networks theory. *IEEE Access*, 2019.

Conference Papers

- [1] **Rui Zhang**, Fei Xu, Chao Han, and Xiucong Sun. Low-earth orbit determination based on atmospheric drag measurements. 2018 AAS/AIAA Astrodynamics Specialist Conference, Snowbird, Utah, Aug 19-23, 2018.
- [2] **Rui Zhang**, Ran Zhang, and Chao Han. Analysis of fuel-optimal orbital transfer to geosynchronous orbit using electric propulsion. 4th IAA/AAS Conference on Dynamics, Control and Space Systems, Changsha, Hunan, China, May 21-23, 2018.

SCHOLARSHIPS AND AWARDS

- Vice-Chancellor's PhD Scholarship, CUHK 2020
- Excellent Academic Paper Award, BUAA 2019 & 2020
- Top-10 Postgraduate Student, BUAA 2019
- China National Scholarship 2018
- First-class Academic Scholarship, BUAA 2017, 2018 & 2019
- Postgraduate Freshmen Scholarship, BUAA 2017
- Outstanding Graduate, Beijing City 2017 & 2020
- Meritorious Winner of COMAP's Mathematical Contest in Modeling (MCM) 2016
- China National Encouragement Scholarship 2014 & 2015

TEACHINGS AND ACTIVITIES

- TA MAEG3050: Introduction on Control Systems, CUHK 2021-2022
- TA ENGG1130A: Multivariable Calculus for Engineering, CUHK 2021-2023
- TA Orbital Dynamics, BUAA 2019

SERVICES

- Reviewer of IFAC World Conference