

Bingxu CHEN 陈炳旭

The Chinese University of Hong Kong, Hong Kong

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EDUCATION

Aug 2015 – July 2019 | **Major in Measurement, Control Technology and Instruments** | **Department of Precision Instrument, Tsinghua University**

- **Major GPA: 3.45/4.00** | **Ranking: 10/68** | Bachelor of Engineering

Aug 2019 – Present | **Undergraduate student** | **Department of Mechanical and Automation Engineering, The Chinese University of Hong Kong**

RESEARCH EXPERIENCES

Ultrafast Two-photon 3D Microscope | *The Chinese University of Hong Kong* | *Research Assistant* | 07/2018 to 09/2018

Attitude control system of micro aircraft in space station cabin | *THU* | *Project leader* | 05/2017 to 03/2018

- Achieved the convergence of attitude and orbit motion of satellites under external disturbances
- Designed a set of simulation software for micro air vehicle's attitude control system

Research of attitude error calibration of inertial navigation rotary modulation under dynamic condition | *THU* | *Project leader* | 10/2016 to 09/2017

- Developed a new method of estimating the reference error in the inertial navigation rotary modulation
- Hu P, Xu P, Chen B, et al. A Self-Calibration Method for the Installation Errors of Rotation Axes Based on the Asynchronous Rotation of Rotational Inertial Navigation Systems[J]. IEEE Transactions on Industrial Electronics, 2018, 65(4): 3550-3558.
- Hu P, Chen B, Zhang C, et al. Correlation-Averaging Methods and Kalman Filter-Based Parameter Identification for Rotational Inertial Navigation System. (Have been submitted)

EXTRACURRICULAR ACTIVITIES

Competition Unit | *Department of Precision Instrument, THU* | *Team leader* | 05/2017 to Present

- Organized science and technology competitions

League branch secretary of class 52 | *Department of Precision Instrument, THU* | 09/2016 to 09/2017

AWARDS AND HONORS

<i>Comprehensive Merit Scholarship</i>	12/2017
<i>Science&Technology Innovation Scholarship</i>	12/2017
<i>Social Work Scholarship</i>	12/2017
<i>Science&Technology Innovation Scholarship</i>	12/2016
<i>2st award in the 1th Instrumentation Design Competition of Tsinghua University</i>	03/2016
<i>1st award in the 33st National Partial College Student Physics Competition</i>	12/2016

OTHER INFORMATION

Computer skills: MATLAB, AutoCAD, SolidWorks, 3d Max, LabVIEW, Multisim, C++ , MathType, Microsoft Office

Hobbies: Travelling, Reading history books and Watching movies.