

# HUANG Erdong

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## EDUCATION

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09/2022–10/2023 The Chinese University of Hong Kong (CUHK)

- ◆ Degree: Master of Science in Physics
- ◆ GPA: 3.250/4.000;

09/2017–07/2021 Beijing Institute of Technology, Zhuhai (BITZ)

- ◆ Degree: BSc in Applied Physics
- ◆ GPA: 3.98/5.0; Ranking: 1/23
- ◆ Computer skills: MS Office Suite, Programming with Matlab, Python

## PUBLICATION

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HUANG Erdong. *Research on Optimizing Transmission Efficiency and Illumination Distribution of Tubular Daylighting System*. CONF-CIAP 2022 Conference Paper. EI Compendex, CPCI (Web of Science)

## RESEARCH PROJECTS

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12/2018-09/2019 2019 Guangdong Sci-tech Innovation Cultivation Special Fund Project - *Analysis on Factors Influencing BPPV Incidence Rate Based on Statistics*

Team Member | Instructors: SUN Hongbo, MEI Liangcai, ZHAO Xindong

- ◆ Data collection, screening, pre-processing and modelling
- ◆ Result: Obtained project approval and received project funds of RMB 10000 Yuan; project completed on time and obtained completion certificate

06/2019 The 9<sup>th</sup> MatherCup College Mathematical Modeling Challenge - *Loop RGV Dispatch System Design and Optimization*

Team Member | Instructor: JIA Yuntao

- ◆ Task distributing, paper reviewing, mathematical model building and analyzing, programming
- ◆ Result: First Prize of Undergraduate Division

06/2019 The 4<sup>th</sup> BITZ Physical Experiment Design Competition - *Water Vortex Data Measuring and Controlling*

Team Member | Instructors: SHEN Yang, ZHANG, Guocai

- ◆ Task distributing, measurement scheme designing, data analyzing, paper writing and reviewing
- ◆ Result: First Prize

01/2019 2019 Mathematical Contest In Modeling - *Building Virtual Dragon's Growth Indicator & Its Fluctuation and Studying Its Influence on Environment*

Team Member | Instructor: MEI Liangcai

- ◆ Task distributing, paper writing and reviewing, mathematical model building and analyzing
- ◆ Result: Successful Participant

11/2018 Higher Education Cup National College Students Mathematical Contest in Modeling - *Intelligent RGV Dynamic Dispatch Strategy*

Team Leader | Instructor: MEI Liangcai

- ◆ Task distributing, paper writing and reviewing, mathematical model building and analyzing, programming

- ◆ **Result:** Second Prize of Undergraduate Division

**11/2018**      **2018 Asia and Pacific Mathematical Contest In Modeling - Evaluation of Elderly People's Ability to Balance Characteristics**

Team Member | Instructor: MEI Liangcai

- ◆ Task distributing, paper writing and reviewing, mathematical model building and analyzing, programming
- ◆ **Result:** Successful Participant

**5/2018**      **The 8<sup>th</sup> MathorCup College Mathematical Modeling Challenge - Evaluations on Problems in Bus Mobile Pay**

Team Member | Instructor: MEI Liangcai

- ◆ Evaluation report reviewing, model building, programming, writing sensitivity and error analyzing
- ◆ **Result:** Second Prize of Undergraduate Group

## **STUDENT ASSOCIATIONS**

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**06/2018-10/2019**      **Mathematical Modelling Association**

Organizing Department | Head of Department

- ◆ Department activity organizing, university ceremony planning

**06/2018-10/2019**      **Intelligent Detection and Controlling Association**

Propaganda Department | Assistant Minister

- ◆ Association establishing, activity organizing

**09/2017-06/2018**      **Mathematical Modeling Association**

Teaching Department | Department Member

- ◆ Public welfare course preparing and delivering

## **AWARDS & HONORS**

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BITZ Outstanding Graduate (06/2021)

BITZ Second Class Scholarship of Academic Year 2019/2020 First Semester (10/2020)

BITZ Special Grade Scholarship of Academic Year 2019/2020 Second Semester (10/2020)

BITZ Special Grade Scholarship of Academic Year 2019/2020 First Semester (06/2020)

BITZ Guangda Scholarship of Academic Year 2018/2019 (10/2019)

BITZ Special Grade Scholarship of Academic Year 2018/2019 Second Semester (10/2019)

BITZ Special Grade Scholarship of Academic Year 2018/2019 First Semester (04/2019)

BITZ Special Grade Scholarship of Academic Year 2017/2018 Second Semester (10/2018)

BITZ Excellent Student of Academic Year 2017/2018 (10/2018)

BITZ Excellent Student Society Member of Academic Year 2017/2018 (06/2018)

BITZ First Class Scholarship of Academic Year 2017/2018 First Semester (04/2018)