CHEN GUOLIANG

Gender: Male
Date of birth: 09/1997
Research Field: Urban climate
Address: The university of Hong Kong
Department of Mechanical Engineering
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Educational background

Central South University (CSU) **07/2019-06/2022** **Changsha, CHINA**

- Master of Civil Engineering
- Supervisor: Professor Huang Dongmei.
- Anticipated Graduation: 06/2022
- GradePointAverage: **3.5/4**

University of south China (USC) **09/2015-06/2019** **Hengyang, CHINA**

- Bachelor of Civil Engineering
- Grade Point Average: **3.64/5**

The university of Hong Kong (HKU) **09/2022-08/2026** **HongKong, CHINA**

- Doctor of Philosophy in Mechanical Engineering
- Supervisor: Dr.Jiyun Song.
- Anticipated Graduation: 08/2026

- Guoliang will join the Healthy Cities Laboratory at the University of Hong Kong as a PhD student in autumn 2022. He received his Bachelor's degree in civil engineering from the University of South China and his Master's degree in architecture and Civil Engineering from Central South University. He is interested in regional and urban climate, blue and green spaces, human thermal comfort, improvement of urban canopy models, urban wind environment, indoor ventilation and energy saving. At present, one of his revised SCI papers has entered the second review stage of Journal of Building Engineering, and he won the first prize in the undergraduate group of the National Mathematical Contest in Modeling for College Students in 2017. His research will focus on the effects of blue and green spaces on urban climate.
- Apart from his academic interests, Guoliang is interested in competitive sports and cooking and will be a member of the HKU badminton club. He loves Hong Kong, an international metropolis, and is passionate about the research of urban climate!

Publications & Awards

Publications

- Huang D. M., **Chen G. L**. Wind pressure distribution, non-Gaussian characteristics and conical vortices of a large-span roof with variable arc angles. *journal of building engineering* (under the second review).

Awards

- the first prize of National College Students Mathematical Contest in Modeling in 2017.
- the third prize of Hunan Mechanics Competition in 2017.
- the national motivational scholarships. 2016
- the first level scholarship three times and the second level scholarship twice. 2017-2019, 2020-2021

Abilities and Skills

- Familiar with green and blue spaces and rigid model wind tunnel pressure test;
- Skilled in using professional software: Matlab, AutoCAD, Origin, etc;
- Python, WRF and Linux instructions (learning)
- Mastering a good essay writing ability;
- Being capable of learning new things independently and quickly;
- English proficiency. IELTS total score: 6.5. Listening: 7.0 Reading: 6.0 Writing: 6.5 Speaking: 5.5.