Zenan Huo
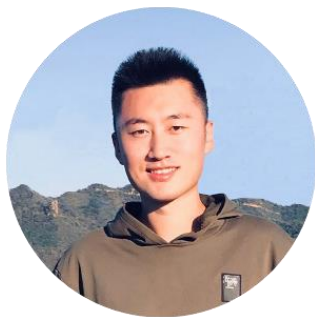**PhD Student**

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Education

University of Lausanne (UNIL)

PhD in Earth Sciences

Oct. 2021 — Present

Supervisor: Prof. Dr. Michel Jaboyedoff [Google Scholar]

Dissertation:

China University of Geosciences, Beijing (CUGB)

Project 211 & Chinese Ministry of Education Double First Class Discipline University

M.Eng., Geotechnical Engineering

Sep. 2018 — Jul. 2021

Supervisor: Associate Professor Dr. Gang Mei [Google Scholar]

Thesis: *Development of the Elasto-plastic Smoothed Finite Element Methods Program in Julia language*

Inner Mongolia University (IMU)

Project 211 & Chinese Ministry of Education Double First Class Discipline University

B.S., Civil Engineering

Sep. 2014 — Jul. 2018

Awards

2021	Outstanding Graduate Student Thesis
2020	National scholarship for postgraduate students
2020	The second prize for research achievement
2020	Third Prize of the 27th Postgraduate Excellent Academic Presentation
2020	The first scholarship
2019	The first scholarship

Publications

Journal

[1]. <u>Zenan Huo</u>, Gang Mei, Giampaolo Casolla, Fabio Giampaolo, Designing an efficient parallel spectral clustering algorithm on multi-core processors in Julia, *Journal of Parallel and Distributed Computing*, Volume 138, 2020, ISSN 0743-7315, 10.1016/j.jpdc.2020.01.003.

[2]. <u>Zenan Huo</u>, Gang Mei, Nengxiong Xu, juSFEM: A Julia-based open-source package of parallel Smoothed Finite Element Method (S-FEM) for elastic problems, *Computers & Mathematics with Applications*, Volume 81, 2021, Pages 459-477, ISSN 0898-1221, 10.1016/j.camwa.2020.01.027.

[3]. Kaifeng Gao, Gang Mei, Francesco Piccialli, Salvatore Cuomo, Jingzhi Tu, <u>Zenan Huo</u>, Julia language in machine learning: Algorithms, applications, and open issues, *Computer Science Review*, Volume 37, 2020, 100254, ISSN 1574-0137, 10.1016/j.cosrev.2020.100254.