ZENAN HUO

CONTACT INFORMATION

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EDUCATION

University of Lausanne (UNIL), Switzerland Oct. 2021 — Present

- **Ph.D.**, Earth Sciences
- **Supervisor:** Prof. Dr. Michel Jaboyedoff [Google Scholar]

China University of Geosciences, Beijing (CUGB), China
Project 211 & Chinese Ministry of Education
Double First-Class Discipline University
Sep. 2018 — Jun. 2021

- **M.Eng.**, Geotechnical Engineering
- **Supervisor**: Gang Mei [ResearchGate] [Publons]
- **Thesis**: *Development of the Elasto-plastic Smoothed Finite Element Methods Program in Julia language*

Inner Mongolia University (IMU), China
Project 211 & Chinese Ministry of Education
Double First-Class Discipline University
Sep. 2014 — Jun. 2018

- **B.S.**, Civil Engineering

AWARDS

Outstanding Graduate Student Thesis	2021
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-class scholarship	2020
The first-class scholarship	2019

PUBLICATIONS

Journal

[1] **Zenan Huo**, 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] **Zenan Huo**, 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, **Zenan Huo**, 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.

Conference

[1] **Zenan Huo**, Michel Jaboyedoff, Marc-Henri Derron, Emmanuel Wyser, Gang Mei, High-performance Material Point Method for Landslide Simulation in Julia, *EGU 2022 Copernicus Meetings*, 10.5194/egusphere-egu22-10247.