Ali Bozorgzadeh Mechanical Engineer

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2022-present | Research Assistant, Babol Noshirvani University of Technology*

2018-2022

M.Sc. in Mechanical Engineering, BABOL NOSHIRVANI UNIVERSITY OF TECHNOLOGY,

- > THESIS TOPIC: Numerical Investigation of the Effect of Flow Pulsation and Increased Discharged Voltage on Desalination and Energy Usage of Capacitive Deionization
- > Supervisor: Dr. Abas Ramiar
- > CGPA: 3.4

Capacitive Deionization | Electrical Double Layer | Modified Donnan | OpenFOAM

B.Sc. in Mechanical Engineering, BABOL NOSHIRVANI UNIVERSITY OF TECHNOLOGY

* Ranked 140^{th} university in the world in engineering by the US news ranking(2022)

Research Interests

COMPUTATIONAL FLUID DYNAMICS: Numerical Methods, Programming

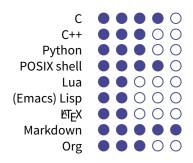
> ELECTROKINETIC: Dielectrophoresis, Electroosmotic, Electrothermal

PUBLICATIONS

2022 Ternary Particle Separation via Dielectrophoresis (in prep.)

2020 Outokesh, Masoud, Seyed Soheil Mousavi Ajarostaghi, Ali Bozorgzadeh, and Kurosh Sedighi. "Numerical evaluation of the effect of utilizing twisted tape with curved profile as a turbulator on heat transfer enhancement in a pipe." Journal of Thermal Analysis and Calorimetry 140, no. 3 (2020): 1537-1553. (link)

PROGRAMMING & MARKUP LANGUAGES



TOOLS

- > EDITORS: (neo) vim, ed, emacs
- > git, tmux, ssh, ctags
- > COREUTILS: find, sed, awk, xargs, ...
- > RegEx
- > Docker
- > Build & ANALYZE : make, gdb, lldb, valgrind, clang tools (clang sanitizers, clangd, clangformat), bear
- > Doxygen

☐ OPEN SOURCE PROJECTS & CONTRIBUTIONS

STDMAN 2021-PRESENT

github.com/jeaye/stdman

Formatted C++20 stdlib man pages (cppreference)

Man pages C++ Standard Library

CITLE 2022

github.com/reverseila/citle

Get citation info (BibTeX file and DOI) by providing a title

Python BibTeX DOI

PRONUNCIATION.SH 2022

☑ Github Gist

A simple (POSIX-compliant) shell script that downloads the pronunciation of English words from the Cambridge Online Dictionary

[Shell Scripting] [Pronunciation]



66 References

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Google Scholar