



Mert Hidayetoğlu

Postdoctoral Scholar, Photon Science, SLAC

 Curriculum Vitae available Online

Bio

BIO

Mert is a postdoctoral scholar at Stanford University. His research is at the intersection of algorithms, architecture, and software for solving large-scale problems on supercomputers. His work focuses on optimizing communications between GPUs, especially on hierarchical systems involving multi-GPU nodes. Mert recently obtained PhD in electrical and computer engineering at the University of Illinois at Urbana-Champaign. He was a Givens fellow with Argonne National Laboratory and a member of IBM-Illinois Center for Cognitive Computing Research.

HONORS AND AWARDS

- George Michael Memorial HPC Fellowship, ACM / IEEE-CS (2021)
- Graph Challenge Champion (leading author), MIT / Amazon / IEEE (2020)
- SC20 Best Paper Award (leading author), ACM / IEEE (2020)
- Givens Fellowship, Argonne National Laboratory, DOE (2018)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- PC Member - Programming Models, 37th IEEE Parallel and Distributed Processing Symposium (IPDPS'23) (2022 - present)

PROFESSIONAL EDUCATION

- Bachelor of Science, Bilkent University (2013)
- Master of Science, Bilkent University (2015)
- Doctor of Philosophy, University of Illinois at Urbana Champaign (2022)

STANFORD ADVISORS

- Alex Aiken, Postdoctoral Faculty Sponsor

LINKS

- <https://merthidayetoglu.github.io>: <https://merthidayetoglu.github.io>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Parallel processing, fast algorithms, inverse problems, programming models.

LAB AFFILIATIONS

- Alex Aiken, Computer Science Department (8/16/2022)