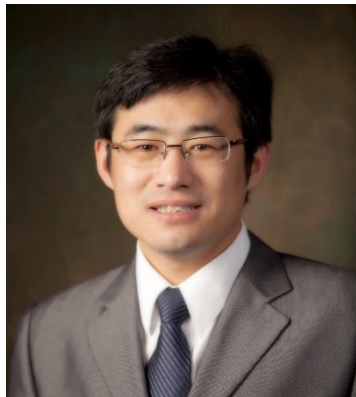


Pingfeng Wang – University of Illinois at Urbana-Champaign



pingfeng@illinois.edu

POETS by the numbers:

4 Universities - University of Illinois at Urbana-Champaign (lead), Howard University, Stanford University, University of Arkansas

- 31 Faculty
- 107 Student Researchers
- 38 Ph.D., 29 M.S., 9 B.S. Degrees Granted to date
- 35 Graduates working in industry to date
- 229 POETS publications
- 64 Technical Reports
- 3 Testbeds – Aerospace, Off-Highway, On-Highway
- 3 Full patents
- 3M+ in Associated Project Funding (2020-2021)

P / O / E / T / S

Recent POETS Projects

- Reliability-Based Co-Design of a Battery Power-Thermal Coupled Management System
- Fast Charging/Discharging of Mobile Energy Storage Systems
- Combined Electromigration and Mechanical Failure Risk in Interconnects: The Imminent Threat to Power Package Reliability

POETS & Related Research

- Failure mode, effect, and criticality analysis (FMECA)
- Physics-of failure analysis, diagnosis, prognostics and health management (PHM)
- Reliability analysis, reliability-based design optimization (RBDO)

