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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)

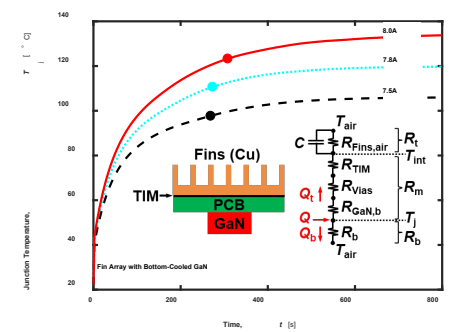
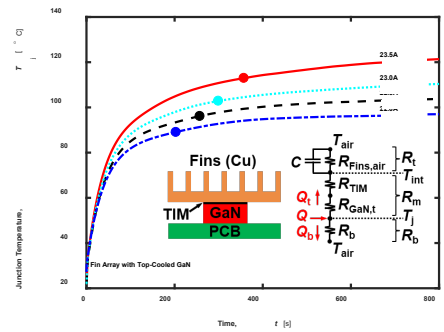
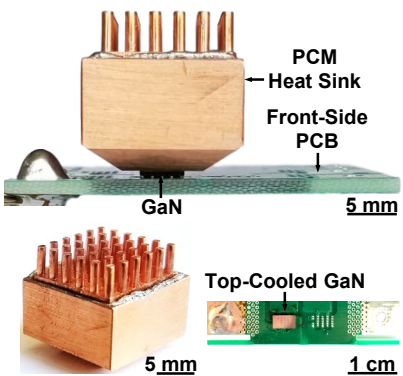
P / O / E / T / S

Recent POETS Projects

- Heat Spreader Thermal Switch for Isothermalization and Improved Reliability
- Millimeter-Scale High-Contrast Thermal Switch
- Heterogeneous Heat Spreader Thermal Buffer Module Integration for Transient Load Mitigation in Power Converters and Electric Machines
- Cold Plate Designer Design Automation Software

POETS & Related Research

- Phase change material heat sinks: modeling, design, characterization



- Additively manufactured heat exchangers with high performance 3D geometries

