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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)

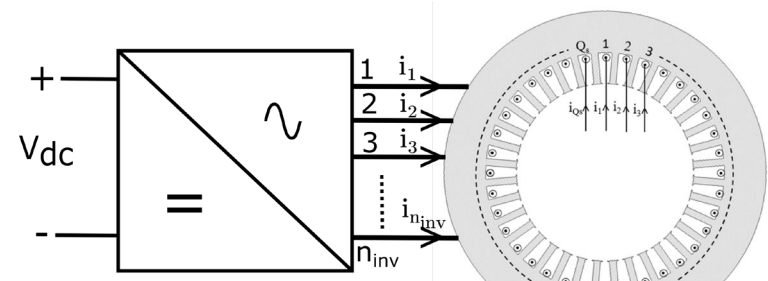
P / O / E / T / S

Recent POETS Projects

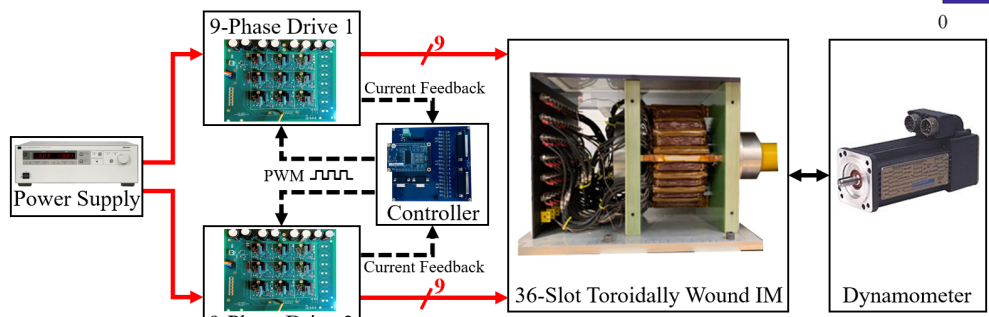
- Variable-pole Induction Machine Drive for Heavy-Duty Vehicles

POETS & Related Research

- Electric Machines, Power Electronics and Drives
- Integrated machine and power electronics to optimize performance, power density, and efficiency
- Multiphase Drive for traction applications
- Building world's most efficient, reliable, and power dense wind turbine drive train



Functional integration of machine and power electronics



Optimization of converters and machines to maximize system-level benefits

