

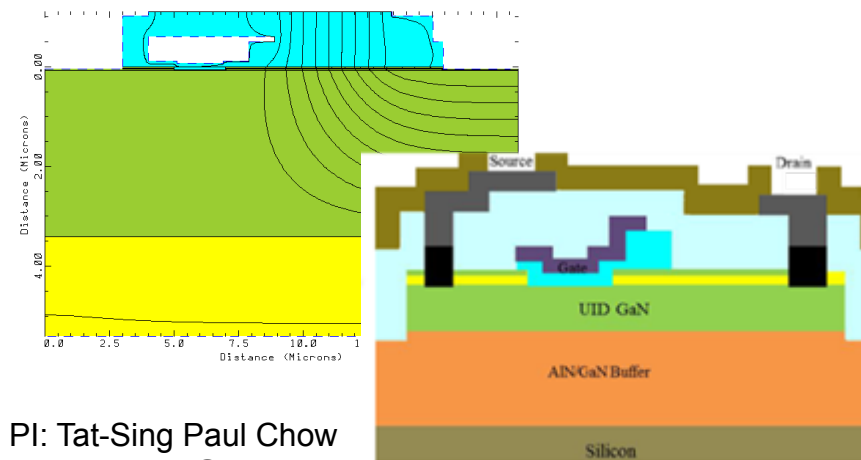
Project Title: Documentation of Design and Process of GaN Power HEMTs

Objectives: To document and make available design libraries and tools

Major Milestones: Full Semi-automated mask layout tool (month 9)

Significant Equipment Acquisition: None

Deliverables: Design libraries and tools



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WBG Technology Impact

1. Narrow the ease-of-design gap between silicon and GaN by providing standard designs and tools comparable to those of mature silicon technologies
2. Applications in motor drive, LED drivers
3. Timeframe for commercialization: 1-3 years
4. No open-source GaN power design tool kit is available to the public at present. Our proposed project is creating such an integrated design tool kit.

Additional impacts

- 1 Offer rudimentary processes and design libraries to GaN foundries for examination.
2. Facilitate the create of start-up GaN companies.
3. Educate students and engineers in GaN design and processing
4. Specify TRL level

At project start: 5

Expected at project completion: 6