

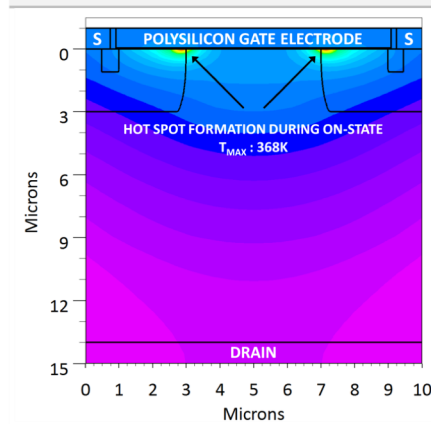
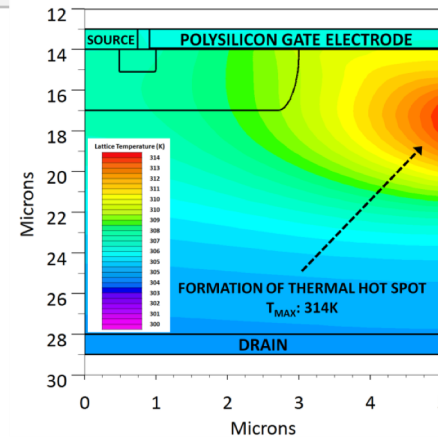


Project Title: Texas Tech and X-FAB Education Partnership

Objectives: Develop new classes for SiC processing and reliability and train undergraduate and graduate students.

Major Milestones: Develop new classes, Establish an Internship program between X-FAB and TTU.

Deliverables: Final report



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WBG Technology Impact

1. Train future process engineers in the area of SiC processing
2. Train students in the area of SiC reliability analysis and failure analysis
3. Students will have good hands on experience by working as an intern at X-FAB

More WBG Impact and Additional impacts

1. Focus on training both undergraduate and graduate students
2. As WBG power devices mature, more applications will become feasible, increasing the workforce development
3. Develop undergraduate lab projects that will include power electronics using wide bandgap materials such as SiC and GaN
4. Reliability data and analysis will help contribute to the overall maturity of WBG power device technology