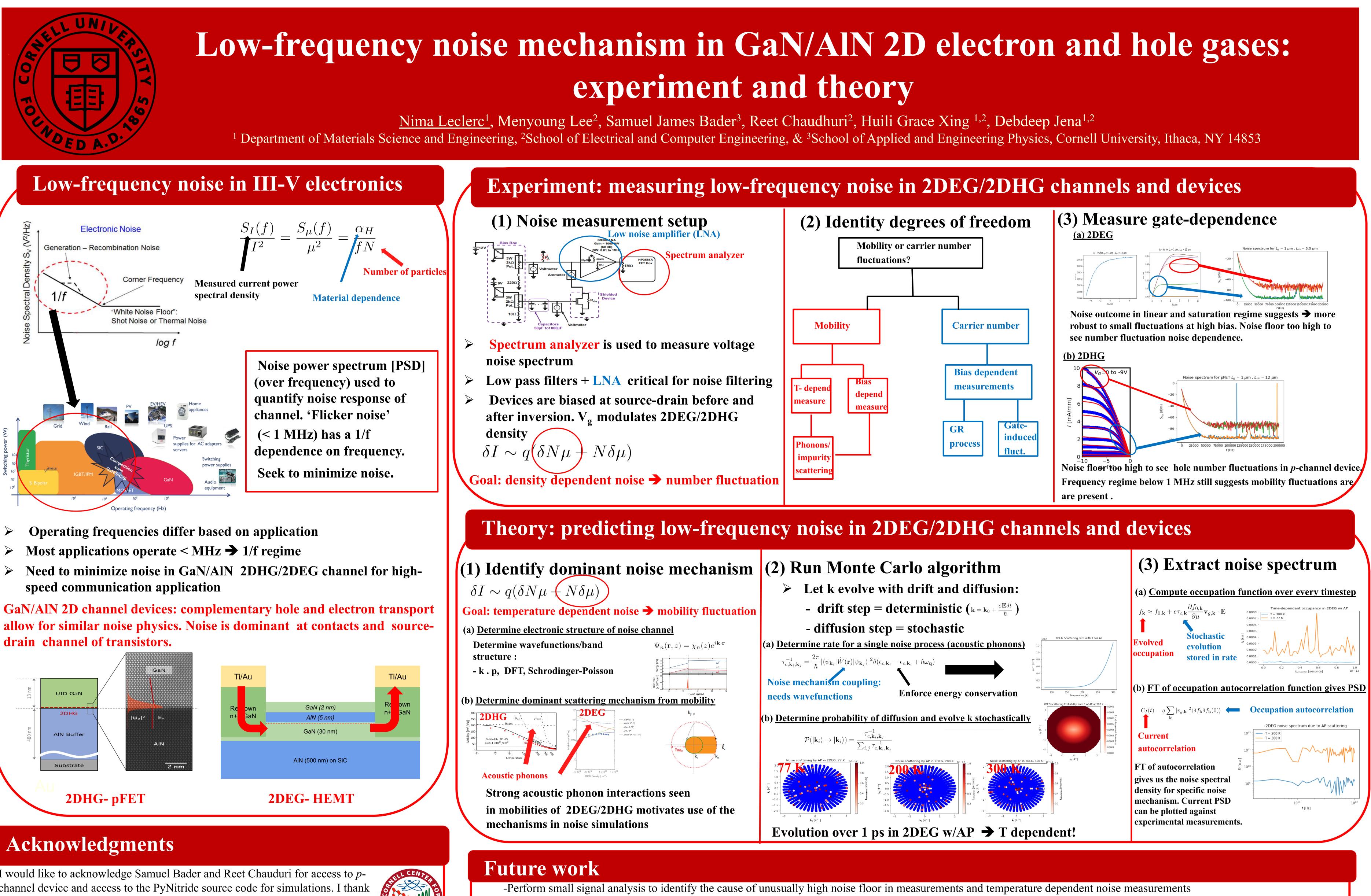
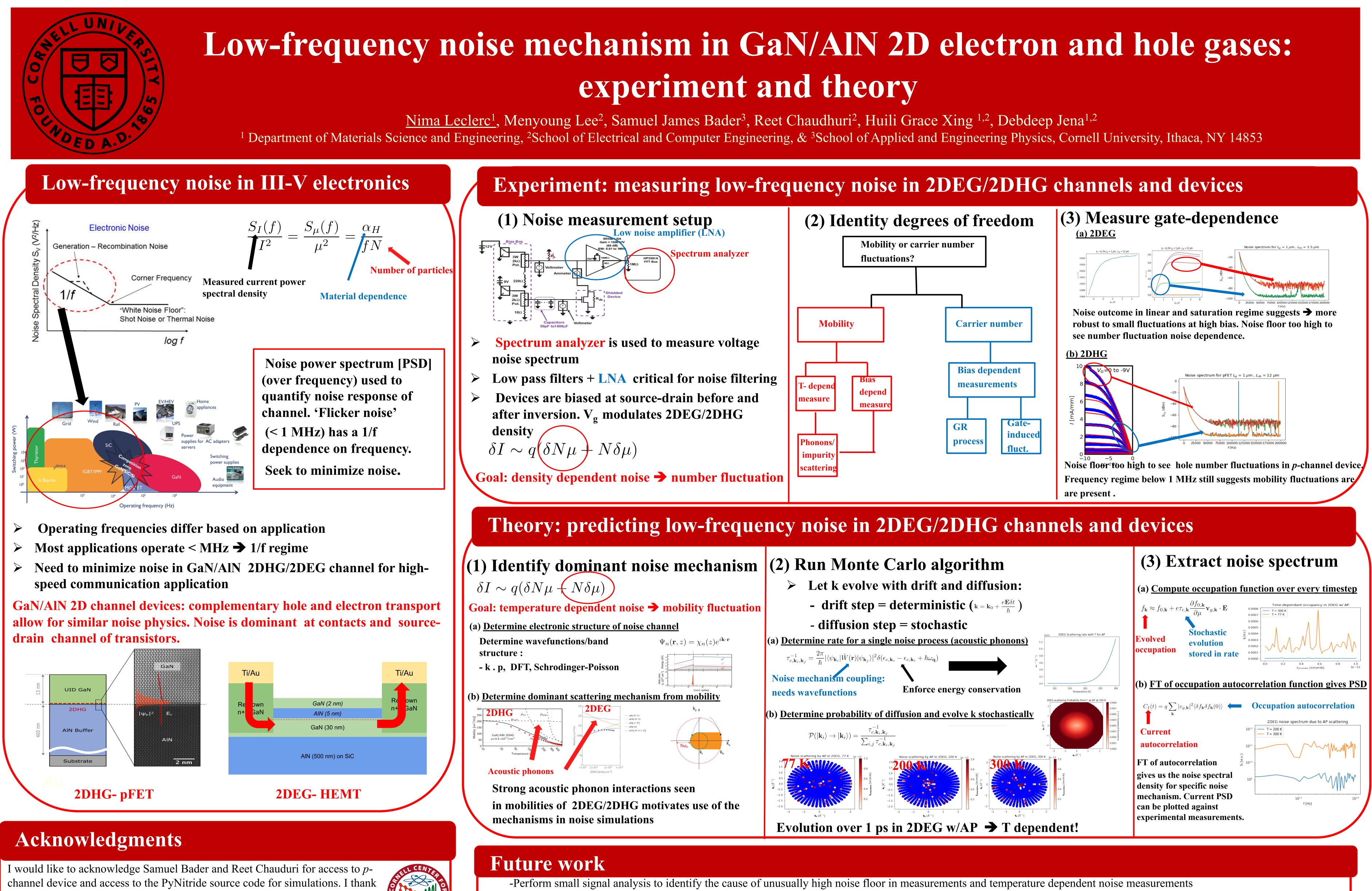


experiment and theory

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Menyoung Lee for fruitful discussion in theory implementation. Measurements would not have been possible without access to facilities at CCMR and the CNF.



- Use MC implementation on AlN/GaN 2DHG heterostructure \rightarrow perform full ensemble calculations to capture degenerate physics
- Identify ways to suppress noise mechanisms experimentally by suppressing phonon scattering events