



MIT-MTL GaN Energy Initiative Annual Review

MIT, 50 Vassar Street, Cambridge, MA 02139-4307

Thursday, June 9th, 2016

Grier Room 34-401B

8:30am-1:30pm

MEETING AGENDA

8:30-9:00 *Registration and Breakfast*

9:00-9:30 *Prof. Tomás Palacios: Welcoming Remarks*

9:30-10:00 *Prof. Dirk Englund: Quantum Information Processing with III-Nitride Photonics*

10:00-10:30 *Mr. Kevin Bagnall (Prof. Evelyn Wang's group): Impact of self-heating on the nonlinearity of GaN power amplifiers*

10:30-10:45 *Coffee break*

10:45-11:15 *Prof. Jeehwan Kim: Cost-effective defect reduction and heat dissipation for GaN HEMTs using a graphene-based layer transfer process*

11:15-11:45 *Mr. Ujwal Radhakrishna (Prof. Dimitri Antoniadis's Group): Linearity study of RF-GaN HEMTs using MVSG-model*

11:45-12:15 *Prof. Ruonan Han: Recent Progress on Integrated THz Phased-Array Imager and Gas Spectrometer: Filling the Last Missing Puzzle with GaN*

12:30-1:30 *Lunch and feedback*