

Meeting Agenda

- 8:30-9:15AM** Registration and Coffee (poster and vendor setup)
- Morning Session**
9:15-9:30AM Chairperson: **Nadia El-Masry** (NCSU)
Prof. Dieter Griffis (Analytical Instrumentation Facility, College of Engineering, NCSU)
Welcome and opening remarks
- 9:30-10:00** *INVITED:* **Charter Stinespring** (West Virginia University)
"Gas Source Molecular Beam Epitaxy SiC/Si"
- 10:00-10:15** Student Paper: **Shreya Paul** (NCSU)
"Improving Adhesion of Polypropylene to Elastomers: Part 1"
- 10:15-10:30** Student Paper: **Tim Kennedy** (NCSU)
"Characterization of Ductile Regime Machining of Silicon"
- 10:30-10:50** **Break**
- 10:50-11:20** *INVITED:* **Vincent Chiang** (NCSU)
"Transgenic Wood for Bioethanol"
- 11:20-11:50** *INVITED:* **John Hammond** (Physical Electronics)
"Surface Analysis of Biological Materials: Status and Future Promise"
- 11:50-12:30** **Lunch**
12:30-1:45 **Poster Session/Vendor Exhibits**
- Afternoon Session**
1:45-2:15 Chairperson: **Shanti Iyer** (NC A&T Univ.)
INVITED: **Jay Gaillard** (Clemson, Univ.)
"Deducing the Bending Modulus in Carbon Nanotubes Using the Harmonic Detection of Resonance Method"
- 2:15-2:30** Student Paper: : **Sudhakar Bharatan** (NC A&T Univ.)
"Structural, optical and vibrational properties of lattice-matched GaAsSbN/GaAs grown by molecular beam epitaxy and their annealing effects"
- 2:30-3:00** *INVITED:* **William Lampert** (ARO)
"Overview of the Materials Design Program at US Army Research Office"
- 3:00-4:00** **Poster Session Final Judging / Vendor Exhibits**