

## **Session Program**

**Apr 1 - 2, 2026**



# **2026 HBCU CHIPS Network Conference**

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### **Technical Session 1**

Renaissance Atlanta Midtown Hotel, Centennial Ball Room  
866 W Peachtree St NW, Atlanta, GA 30308

# Wed, April 1

1:10 PM

## Technical Session 1: Room A: Materials & Devices

**Session** | **Location:** 5th floor, Chastain A | **Convener:** Eric Mintz

1:10 – 1:30 PM

### Optics-Electronic Devices: Turn Light into Electricity Turn Electricity Into Light

**Speaker**

Prof. Qinglong Jiang

1:30 – 1:50 PM

### Assessment of optoelectronic properties of an ambipolar polymer - photochromic dye blend in the solid state for organic photoresponsive device applications.

**Speaker**

Ikem Uba

1:50 – 2:10 PM

### IR Photodetector based on the contactless-PdSe<sub>2</sub> integration with Few-Layered MoSe<sub>2</sub> Field-effect Transistor

**Speaker**

Roshan Padhan

2:10 – 2:30 PM

### A Method for Calculating PIN Alpha-voltaic Cell Operational Life from Modelling and Simulation Data.

**Speaker**

Kishak Cinfwat

2:30 PM

1:10 PM

## Technical Session 1: Room B: Quantum Technologies

**Session** | **Location:** 5th floor, Chastain B | **Convener:** Courtney Quartermann

1:10 – 1:30 PM

### Building Quantum Information Science Capabilities at HBCUs: Insights and Recommendations

**Speaker**

Thomas Searles

1:30 – 1:50 PM

### Implementation of Finite state logic machines via the dynamics of atomic systems

**Speaker**

Dr Dawit Hailu

1:50 – 2:10 PM

### Optimization of Titanium Nitride as a Material for Superconducting Josephson Junctions in Quantum Computing Applications

**Speakers**

Ebenezer Vondee, Kiran Nyaupane

2:30 PM

1:10 PM

2:30 PM

2:10 – 2:30 PM

**Investigation of Surface Acoustic Wave Dynamics at Cryogenic Temperatures for Quantum Device Applications**

**Speaker**

Felix Kimeu

**Technical Session 1: Room C: Materials & Devices (Undergraduate Session)**

**Session** | **Location:** 5th floor, Rialto A | **Convener:** Daniel Vrinceanu

1:10 – 1:30 PM

**Urea-based GQDs with PVA Integration**

**Speaker**

Aldine Willacey

1:30 – 1:50 PM

**Luminescence from Nanoscale Perovskite Semiconductor Materials**

**Speaker**

Mr Thomas Murray

1:50 – 2:10 PM

**Fabrication and Characterization of the Thin Film Solid State Li-Ion Batteries**

**Speaker**

Jamar Dozier

2:10 – 2:30 PM

**Design, Fabrication, and Characterization of Thermoelectric Devices from Multilayer Thin Films**

**Speaker**

Cole Cooper