

# NMAVS Symposium Schedule of Events

## Gran Quivera Meeting Room

**TUESDAY, MAY 19, 2026**

8:40 **UPLOAD OF MORNING PRESENTATIONS**

9:00 **JEREMY ESPANO**, Opening remarks

### **SESSION 1**

9:10 **LAUREN SINGER**, Sandia National Laboratories, *Development and Desorption Analysis of Advanced Coatings for Pulsed Power Applications*

9:30 **ERIC CRUZ**, Sandia National Laboratories, *Integration of BaTiO<sub>3</sub> on AlGa<sub>N</sub> Transistors*

9:50 **BISWAJIT GHOSE**, New Mexico Institute of Mining and Technology, *A Systematic investigation of Solute-induced Interfacial Stability in (001)Al<sub>3</sub>Sc/liquid-Al using Ab initio Molecular Dynamics*

10:10 **COFFEE BREAK IN ANASAZI BALLROOM**

### **SESSION 2**

10:30 **HUU NGUYEN**, Sandia National Laboratories, *GaN nanoscale Vacuum-Channel Transistors*

10:50 **KYLE DORMAN**, Sandia National Laboratories, *High-Throughput Combinatorial Studies of Nanocrystalline Ni-Pt Thin Films*

11:10 **SAMANTHA JARZEWSKI**, Sandia National Laboratories, *Radiation effects in Ferroelectric Hafnium Zirconium Oxide Capacitors*

11:30 **ALEX MINGS**, Sandia National Laboratories, *Monte Carlo Simulations of MoS<sub>2</sub> Sputter Deposition*

11:50 **POSTER PREVIEWS**

12:10 **LUNCH IN ANASAZI BALLROOM**

**VENDOR SHOW IN ANASAZI BALLROOM**

1:00 **POSTER SESSION IN ANASAZI BALLROOM**

### **SESSION 3**

2:30 **JOSEPH IANELLO**, University of New Mexico, *Non-Selective, Material-Independent, Precision Plasma Delayering of Metals and Dielectrics*

2:50 **BEN HEINER**, Los Alamos National Laboratory, *Applications of Scanning Tunneling Microscopy and Spectroscopy in Heavy Element Studies*

- 3:10 **CEDRIK SHASKY**, Sandia National Laboratories, *Non-contact thermal property measurement and characterization of MEMS devices in high-vacuum environment*
- 3:30 **JARON MOON**, Los Alamos National Laboratory, *Tailored Iridium Thin Films for Complex Shape Coverage by Atomic Layer Deposition*
- 3:50 **RON SYNOWICKI**, J.A. Woollam, *Overview of Spectroscopic Ellipsometry*
- 4:10 **MILES BEAUX**, Los Alamos National Laboratory, *An Entropic Approach to Multiconfigurational Ground State Electronic Structures*
- 4:30 **JEREMY ESPANO**, Announcement of awards & closing remarks
- 4:40 **ADJOURN**