**“Evolving Wide Bandgap Materials and Device Technology for Advanced Switching, Microwave and Grid Applications”**

The 24th Mini-Conference Sponsored by the Coherent/II-VI Foundation

Hosted Virtually by University at Buffalo, The State University of New York

**November 8, 2024**

**Conference Moderators – Al Burk,** *Coherent/II-VI Foundation*

**9:30 am** **Welcome and Introduction:**

**Rick Purnell,** *Executive Director Coherent/II-VI Foundation*

**University at Buffalo, The State University of New York, Personnel**

**9:35 am Opening Remarks: Marc Pelaez,** *Chairman Coherent/II-VI Foundation*

**9:40 am High Performance Gallium Oxide Devices**

*University at Buffalo, SUNY, PI Uttam Singisetti*

**Noor Jahan Nipu**

**Sudipto Saha**

**10:15 am** *Questions and Discussion*

**10:40 am Personal Break**

**10:50 am Gallium Oxide High Growth Rate Epitaxial Materials and Vertical Power Devices**

*University of California, Santa Barbara, PI Sriram Krishnamoorthy*

**Carl Peterson**

**Saurav Roy**

**11:25 am** *Questions and Discussion*

**11:50 am Personal Break**

**12:00 pm Student Interaction Discussion / Lunch** (Moderated by Alan Hedges and Tom Anderson)

**1:00 pm Reliability and Ruggedness of Commercial SiC Power MOSFETs**

*The Ohio State University, PI Anant Agarwal*

**Limeng Shi**

**Monikuntala Bhattacharya**

**1:35 pm** *Questions and Discussion*

**2:00 pm** **Personal Break**

**2:10** **pm** **Diamond Power Semiconductor Devices**

*University of Illinois, Urbana-Champaign, PI Can Bayram*

**Jaekwon Lee**

**Zhuoran Han**

**2:45 pm** *Questions and Discussion*

**3:10 pm Concluding Remarks: Alan Hedges, Rear Admiral Marc Pelaez**

**Conference Close and Evaluation Instructions**

**PLEASE COMPLETE AND RETURN THE CONFERENCE EVALUATION INCLUDED IN YOUR**

**REGISTRATION PACKET AND AVAILABLE ONLINE BY NOVEMBER 22, 2024.**

***Conference times are Eastern Time Zone.***