**Louisville Section Meeting**

Date: Wednesday, March 19, 2025

Times: 11:00 a.m. - Sign-in, Pay and Socialize

11:30 a.m. – Buffet Lunch

Noon - Presentation

Location: University Club of Louisville, 200 East Brandeis Avenue, Louisville, KY

Website: https://www.uclublouisville.com/

Price: $ 20 – Members and Guest

$ 10 – Students and Life Members

RSVP: Via Events Email from vTools or to Tim Brooks, tbrooksee@ieee.org

**Topic: Micro/Nanotechnology Research and Education at UofL**

**Speaker:  Dr. Sung Jin Kim**

**Abstract:** The University of Louisville's Micro Nano Technology Center (MNTC) boasts a cutting-edge, $30 million, 10,000-square-foot cleanroom dedicated to the fabrication of micro- and nano-scale devices and materials. It also features a highly competitive Imaging and Characterization core facility. MNTC has been at the forefront of groundbreaking research, innovation, and educational initiatives at the University of Louisville. In this presentation, we will provide an overview of MNTC, highlight research projects supported by the center, and showcase several of its educational activities.

**Speaker Background:** Dr. Sung Jin Kim earned his Ph.D. in Electrical Engineering from the State University of New York at Buffalo in 2008. Following appointments at the Institute of Lasers, Photonics, and Biophotonics at SUNY Buffalo and the University of Miami, Dr. Kim joined the University of Louisville (UofL) in 2023 as Professor of Electrical and Computer Engineering and the director of the Micro Nano Technology Center (MNTC). MNTC is one of 16 NSF National Nanotechnology Coordinated Infrastructure(s) (NNCI) that supports nanotechnology-related research in different disciplines. Dr. Kim's research is centered around nanophotonics, with applications in energy and sensing. His research endeavors have received support from various funding agencies, such as NSF, NIH, AFSOR, DoD, and NASA. Dr. Kim is affiliated with IEEE-Eta Kappa Nu, and holds the status of a senior member within SPIE (International Society for Optics and Photonics).

**This Event is Co-sponsored by:**

The Louisville Section of the IEEE,

Power & Energy Society Chapter (PE31) of the Louisville Section,

The Life Member Affinity Group (LM) of the Louisville Section, and  
Computer Society Chapter (CS16) of the Louisville Section