



# JOINT TcSUH/PHYSICS SPECIAL SEMINAR

## Doing Business with the Air Force Office of Scientific Research

**Mr. Edward J. Lee**, Program Coordinator for Historically Black Colleges and Universities/Minority Institutions  
Air Force Office of Scientific Research

and

**Dr. Kenneth Goretta**, Program Officer, GHz-THz Electronics and Materials

**Monday, March 4, 2018**

2:15 p.m. - 2:45 p.m.

HSC 102 (University of Houston Science Center)

**ABSTRACT:** This talk will provide an overview of the Air Force Office of Scientific Research, including how the Air Force Research Lab is structured. Mr. Lee and Dr. Goretta will cover the submission of white papers and full proposals to the AFOSR, as well as programs that will be of interest to SCMNS Faculty.

### About Mr. Edward J. Lee:



Mr. Edward J. Lee is the Program Coordinator for Historically Black Colleges and Minority Institutions (HBCU/MI's) for the Air Force Office of Scientific Research (AFOSR) in Arlington, VA, one of the 9 directorates that comprise the Air Force Research Laboratory (AFRL). He is responsible for coordinating activities that provide funding support to minority institutions across the nation. Mr. Lee provides leadership, strategic direction, and oversight to universities to help make them aware of opportunities and facilitates introductions and guidance to ensure institutions of higher education are well represented within the minority community. He has a unique way of communicating and can talk to everyone to make them feel special, from students to university Presidents. Mr. Lee has recently taken on the task of coordinating activities with the small business programs of SBIR and STTR geared towards fostering the commercialization of products to the warfighter for the Department of Defense.

Mr. Lee has worked for the AFOSR since 1997, initially overseeing the University Research Initiative program. He is now working to enhance communications between HBCU's and MI's to be able to compete for contracts/grants at a larger scale. Working in private industry prior to coming to AFOSR and owning his own business since 1987, EJA Associates, Ed has helped to establish and support black-owned businesses in the Washington Metropolitan area. Ed is also a graduate from an HBCU, receiving his B.S. in Business Administration from Morgan State University in Baltimore, Maryland. In 2013 he authored his first book, *The Soul of Man*.

Among his awards and honors, Mr. Lee is Top Supporter of HBCUs (2009-2017), BEYA Modern-Day Technology Leader (2017), Civilian of the Year, Category III, GS-13 and Above (2008), Civilian Professional of the 3<sup>rd</sup> Quarter (2003), and he received the Director's Team Award for Leadership of the OSR Social Committee (2003).

Mr. Lee's professional memberships and associations include Blacks in Government (Lifetime Member), External Advisory Board Member with Jackson State University, and Governmental Advisor to the Minority Serving Institutions and Research Partnership Consortium.

#### **About Dr. Kenneth Goretta:**



Dr. Goretta has been a Program Officer, officer director, and International Program Officer at the Air Force Office of Scientific Research for 17 years. Since 2014, he has managed the GHz-THz Electronics and Materials program. His areas of expertise include functional and structural materials, electronic materials and devices, materials processing, and mechanical and transport properties of materials. The GHz-THz Electronics and Materials program, which seeks scientific breakthroughs in materials and devices that can lead to game-changing capabilities in RF sensing and amplification, wideband operation, reconfigurability, and novel functionality. The primary frequencies of interest range from GHz to THz. The focus of the portfolio is on understanding and exploiting fundamental interactions of electrons and quasiparticles with each other and their host materials in all regions of device operation. The program maintains strong collaborations with other agencies, including co-funding of projects. Major collaborators include the Army Research Office, the Defense Threat Reduction Agency, and the National Science Foundation.

Dr. Goretta joined AFOSR following 18 years on the staff of Argonne National Laboratory. His research at Argonne focused on fabrication and characterization of high-temperature superconductors, ceramic composites, and structural and electronic materials. He also taught basic ceramics courses at the Illinois Institute of Technology for many years. He previously worked in industry for five years in a variety of jobs focused on engineering chemistry.

Dr. Goretta received a Ph.D. degree in Materials Engineering from the Illinois Institute of Technology, a D.Eng. (hon) from Korea Air University, and a B.S. in Metallurgical Engineering from the University of Illinois at Urbana-Champaign. He is a Fellow of the American Ceramic Society. He holds 14 patents and has co-authored more than 350 referred papers, one book chapter, and 35 government laboratory reports, primarily on advanced materials and processing.

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