Speaker of Session 06

THERMOELECTRICS

Dr. Saniya LeBlanc is an assistant professor in the Department of Mechanical & Aerospace Engineering at The George Washington University where she leads the LeBlanc Lab. Her research goals are to develop and improve energy conversion technologies with advanced materials and manufacturing techniques. The LeBlanc Lab uses scalable manufacturing processes to create nanostructured materials for energy technologies, characterizes morphological, electrical, and thermal properties of materials, creates prototype generator devices, and develops energy system models. Projects include techno-economic models for emerging energy technologies. Previously, Dr. LeBlanc was a research scientist at Alphabet Energy, a startup company, where she created research, development, and manufacturing characterization solutions for thermoelectric technologies and evaluated the potential of new power generation materials. Dr. LeBlanc obtained a PhD in mechanical engineering with a specialization in materials science from Stanford University. She has an MPhil in engineering from University of Cambridge and a BS from Georgia Institute of Technology.