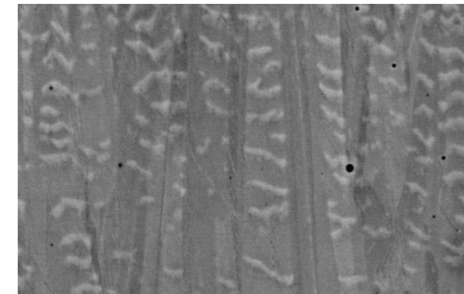
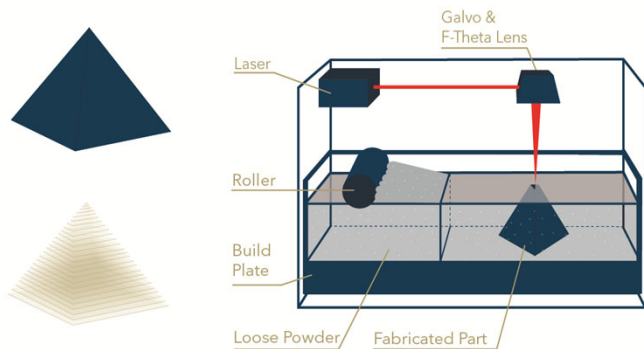


The LeBlanc Lab at GWU is looking for a postdoctoral researcher!

www.leblanclab.com

Topic: Additive manufacturing of thermoelectric materials and devices.

Background: With funding from the U.S. Department of Energy's Advanced Manufacturing Office, the LeBlanc Lab will collaborate with researchers at the University of Virginia and the National Institute of Standards and Technology to use machine learning and high throughput characterization to design laser powder bed fusion additive manufacturing of thermoelectric materials.



Location: The LeBlanc Lab is at The George Washington University. Located in the heart of urban Washington, DC, our labs and offices are in the state-of-the-art Science & Engineering Hall. We are a short metro ride or drive away from numerous government laboratories and funding agencies. Our Virginia Science & Technology Campus is located in the heart of northern Virginia's technology corridor.



Is this a good fit for you?

We are looking for someone who:

- has extensive experience in thermoelectric materials synthesis and thermoelectric property characterization
- has a PhD in materials science, engineering, chemistry, or physics
- is enthusiastic about the role materials and manufacturing play in advanced energy technologies
- has good time management and organizational skills
- is a great communicator (written and oral)
- likes working collaboratively on a team

Interested?
Send your resume to
sleblanc@gwu.edu

The LeBlanc Lab

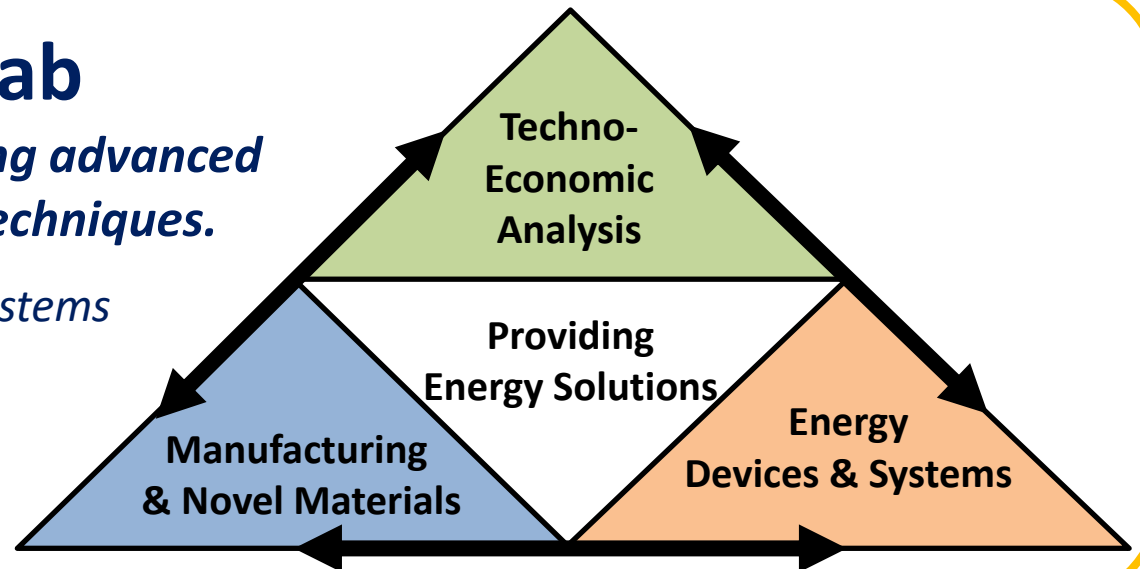
We create energy solutions using advanced materials and manufacturing techniques.

thermal transport energy systems

scalable manufacturing

nano- & micro-structured materials

www.leblanclab.com



The PI: Dr. Saniya LeBlanc is an assistant professor in the Department of Mechanical & Aerospace Engineering at The George Washington University. She has industry and academic research experience in designing new materials, characterizing thermoelectric transport properties, and linking processing mechanisms to transport properties. With a background spanning fundamental research, manufacturing, and device design in academia and industry, Dr. LeBlanc has developed an integrated and interdisciplinary approach to creating emerging energy technologies. Prior to joining GWU, she was a research scientist at a startup company where she created research, development, & manufacturing characterization solutions for thermoelectric technologies and evaluated the potential of new power generation materials. At GWU, her group was the first to demonstrate laser-based additive manufacturing of thermoelectric materials with expertise on the topic demonstrated in a patent application and multiple peer-reviewed publications. She collaborates with multiple university groups, companies, and Department of Energy & Department of Defense laboratories.

Dr. LeBlanc is a recipient of the National Science Foundation CAREER award. In 2018, the American Society of Engineering Education named Dr. LeBlanc one of its “20 Under 40” high-achieving researchers and educators. She also won the GWU Morton A. Bender teaching award, and she was an Office of Naval Research Summer Faculty Fellow. Dr. LeBlanc obtained a PhD in mechanical engineering with a minor in materials science at Stanford University where she was a Diversifying Academia Recruiting Excellence fellow, a Sandia Campus Executive fellow, and a National Science Foundation Graduate Research fellow. She was a Churchill Scholar at University of Cambridge where she received an MPhil in engineering, and she has a BS in mechanical engineering from Georgia Institute of Technology.



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