

commercial fuel that we received in December 2023. It was not an easy task as we had not been doing that kind of work since 2005(ish), so the know-how had to be rebuilt.

What is your favorite food or restaurant? My heart remains at home, in Italy. Whenever I go back home, my family and I go to a restaurant on

the lake that specializes in seafood; I miss that the most.

What's on your bucket list? I really want to climb all nine of the Idaho 12ers. I started with Borah Peak a couple of years ago and then I had a back injury. I hope to heal completely soon and resume my endeavor.



Lane Carasik

Carasik is a valuable member of the nuclear scientific community known for technical contributions that include developing unique capabilities for high-fidelity computational fluid dynamics, providing detailed datasets for experimental validation, and pioneering work in molten salt heat transfer in nuclear and fusion energy systems. Among his accolades are the DOE Office of Science Early Career Award, a National Academy of Science Kavli Fellow, and an ASME Rising Star in

Age: 33

Title: Assistant professor, Virginia Commonwealth University

Hometown: Marietta, Ga.

Mechanical Engineering Award. Carasik is also a dedicated mentor and advocate for parity in STEM and is a co-founder of ANS Cares.

When you reflect on your career so far, which achievement stands out most? This is a very hard question because I have both my personal achievements and those of my students. My

CONGRATULATIONS, Lane Carasik!

Virginia Commonwealth University (VCU) College of Engineering proudly celebrates **Lane Carasik, Ph.D.**, assistant professor of mechanical and nuclear engineering, for being named to the Nuclear News "**40 Under 40 list**" of industry influencers and future leaders in nuclear energy.

Dr. Carasik's research in **fusion and nuclear energy, isotope production and advanced instrumentation** exemplifies VCU's commitment to innovation and impact. His leadership and mentorship are inspiring the next generation of engineers working to advance energy independence and security for the United States.

Congratulations, Dr. Carasik.
Your work is shaping the future of nuclear engineering!



VCU College of Engineering



Lane Carasik, Ph.D., assistant professor,
Department of Mechanical
& Nuclear Engineering