"Fusion and fission energy are essential to meeting the world's growing energy demands. ORNL is driving innovation in both fields, delivering the scientific breakthroughs needed for a secure energy future."

—Katarzyna (Kate) Borowiec
System and Data Analytics Engineer
Fusion and Fission Energy and Science Directorate
Executive Committee Member
Oak Ridge/Knoxville ANS Local Section

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Kate focuses on multiphysics modeling and simulation of both fusion and fission systems, leveraging ORNL's leading edge in high performance computing to develop tools that unlock deeper insights into complex nuclear systems. As she supports cross-cutting energy research for tomorrow, she's also honing her leadership skills as a principal investigator and mentoring next generation of scientists today. Join the leaders shaping the future of energy.

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