

Katherine M. Stone, EIT

Senior Staff Consultant



Ms. Katherine Stone is a Senior Staff Consultant at Engineering Systems Inc. (ESi). Prior to joining ESi, Ms. Stone worked for six years in the Massachusetts laboratory at Netzsch Instruments, North America.

While there, she gained extensive experience characterizing a wide range of materials at both high and low temperatures and in inert, oxidizing, and humid atmospheres. Her specialties include DSC/TGA/STA (Cp, thermal energetics, mass change), LFA (thermal conductivity), DIL/TMA (thermal expansion), and DMA (static modulus, dynamic modulus, Tg).

In addition to her work in materials thermal property analysis, Ms. Stone has extensive laboratory experience in mechanical properties characterization, materials design, and failure analysis. She specializes in materials evaluation using scanning electron microscopy (SEM) and DSC-FTIR.

Education

MS, Materials Sciences and Engineering. Massachusetts Institute of Technology. 2019

BS, Materials Sciences and Engineering. Massachusetts Institute of Technology. 2016

Licenses & Certifications

- Engineering in Training (EIT) Certification, September 2025, Issued by the Georgia State Board of Professional Engineers, License #EIT031181
- National Metallurgical and Materials PE Exam: Passed 2025

Positions Held

Engineering Systems Inc., Atlanta, Georgia

- Senior Staff Consultant, 2025 – Present

Contact Information

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ESi Atlanta

430 Technology Parkway NW
Peachtree Corners, GA 30092

Areas of Specialization

- Materials Testing
- Materials Engineering
- Failure Analysis
- Lab & Inspection Services
- Metals
- Thermal Properties Testing

Netzsch Instruments North America, Testing Laboratory, Burlington, Massachusetts

- Senior Applications Scientist, 2024–2025
- Applications Scientist, 2019–2024

Apple, Cupertino, California

- Intern, 2016

Alcoa, Pittsburgh, Pennsylvania

- Intern, 2015

Applied Research Associates, Niceville, Florida

- Intern, 2013–2015

Air Force Research Laboratory, Eglin Air Force Base, Florida

- Intern, 2012

NASA, Kennedy Space Center, Cape Canaveral, Florida

- Intern, 2011

Professional Affiliations/Honors

ASM International

- Member, 2025 – Present

Society of Women Engineers

- Member, 2012 – Present