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KATHERINE M. STONE
SENIOR STAFF CONSULTANT

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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 laboratory at Netzsch Instruments, North America in Massachusetts. 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.

Areas of Specialization

Materials Testing / Materials Engineering

Failure Analysis

Lab and Inspection Services

Metals

Thermal Properties Testing

Education

M.S., Materials Sciences and Engineering. Massachusetts Institute of Technology. 2019

B.S., Materials Sciences and Engineering. Massachusetts Institute of Technology. 2016

Positions Held

Engineering Systems Inc., Peachtree Corners, Georgia

Senior Staff Consultant – 2025 - Present

Netzsch Instruments North America, Testing Laboratory, Burlington, MA

Senior Applications Scientist – 2024 - 2025

Applications Scientist – 2019-2024

Apple, Cupertino, California

Internship - 2016

Alcoa, Pittsburgh, Pennsylvania

Internships 2015

Applied Research Associates, Niceville, Florida

Internship – 2013-2015

Air Force Research La, Eglin Air Force Base, Florida

Internship – 2012

NASA, Kennedy Space Center, Florida

Internship - 2011

July 2025