

IAP Webinar

Friday, April 11, 2025

10:00am-12:00pm

Via WebEx



Dr. Dennis Ndaya

Manager, Thermal Analysis Laboratory
University of Connecticut
Institute of Materials Science
Industrial Affiliates Program

Mastering Thermal Analysis

Description: This webinar will explore key thermal analysis techniques, including Differential Scanning Calorimetry (DSC), Thermogravimetric Analysis (TGA), Dynamic Mechanical Analysis (DMA), and Thermomechanical Analysis (TMA). Participants will gain a comprehensive understanding of how these methods are used to assess material properties such as thermal stability, phase transitions, mechanical behavior, and dimensional changes under varying temperature conditions.

The session will begin with an in-depth introduction to the principles of thermal analysis, highlighting the advanced instrumentation available at IMS and the specific sample requirements for various materials. Attendees will learn how these techniques can be applied across industries to enhance product performance, optimize manufacturing processes, and address material challenges.

About the Instructor: Dr. Dennis Ndaya is a Research Associate and Lab Manager for thermal analysis at the UConn Institute of Materials Science.

Registration: Registration is FREE for IMS Industrial Affiliates Program member company registrants and \$75 for non-member registrants.

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