

Die Casting and Additive Manufacturing: Learn Techniques for Rheology, Tribology, Nanoindentation, and Particle Analysis

University of California Irvine Interdisciplinary Science and
Engineering Building (ISEB) Colloquium 1200



December 9, 2025

01:00 Welcome and Introduction to Anton Paar

01:15 Nanoindentation: Principles, parameters, and applications

02:15 Rheology and dynamic mechanical analysis (DMA): Foundations and applications

03:15 Coffee Break

03:30 Tribology and wear: Measurement principles and applications

04:00 Particle analysis: Techniques, best practices, and applications

05:00 Join the university reception for light refreshments and networking
(optional - located in ISEB 4th Floor Terrace)