

## Invitation

# Zeta Potential as an Indicator of Surface Properties

**Featuring Anton Paar's Litesizer 500 and SurPASS 3**

Thursday, June 20th, 2024 at 9:20am

You are cordially invited to an advanced Lunch & Learn workshop on surface charge, zeta potential and its effect on wettability and stability of solutions. This workshop is intended for anyone working with solid materials and emulsions/suspensions, and is interested in characterizing or modifying the surface chemistry, electrostatic properties including nanoparticle suspensions, membranes, biomaterials, medical devices, semiconductors, self-assembled monolayers, thin films, and textiles.

The workshop will cover the theory and practical aspects of streaming potential, zeta potential of solid surfaces. Practical aspects of working with various types of solid samples will also be discussed. The talk will be followed by a hands-on session on our Litesizer 500 and Surpass 3 analyzers in the SIF and Dr. Park's Lab respectively.

### Schedule:

- 9:20am - 9:30am: Welcome and Introductions
- 9:30am - 11am: Overview of zeta potential
- 11am - 11:10am: Coffee Break
- 11:10am - 12:15pm: Introduction to the SurPASS 3, its sample cells and applications
- 12:15pm - 12:45pm: Lunch
- 12:45pm - 2pm: Hands-on-Litesizer 500 in SIF
- 2:30pm - 4pm: Hands-on-SurPASS 3 in 2355D Patrick Taylor Hall LSU

### Venue:

#### **Louisiana State University, Baton Rouge, LA**

Shared Instrumentation Facility (SIF) #100

Chemistry and Materials Building

4048 Highland Rd. Baton Rouge, LA 70808

**Registration:** Free. Registration is required and lunch will be provided by Anton Paar.

### Registration Link:

Click here or scan the QR code

Registration closes June 18<sup>th</sup>, 2024

