

INVITATION

Please come to

The Amherst Rheology Course 2022 (ARC22)

Dates: May 10, 11,12 and 13, 2022 (3 hours each)
Venue: Remote (using Zoom)
Lectures: Three hours of lectures and hands-on group exercises on each of the four days
Focus: The focus is on rheological data and on visual expression of rheology (high quality plots)
Time: Lectures will start at 10:00 am Eastern Standard Time (Boston time).
Instructors: Professor H. Henning Winter and Professor Manfred H. Wagner
Language: English
Enrollment Please enroll by April 20, 2022, paying US\$ 400 (US\$ 480 after 4/20/22)
Practical: Enrollment includes a 90 day complimentary license of IRIS Rheo-Hub
Contact: Winter@UMass.edu

Objective of Course A series of lectures & tutorials will introduce you to a quantitative approach to rheology. We will review rheology fundamentals, linear and non-linear, and build on these fundamentals to gain understanding of rheological experiments by in depth analysis (extraction of material parameters, superposition, overlay plotting, for instance) and modelling with rheology theory. Lectures will be followed by hands-on exercises using the IRIS Rheo-Hub software. We jointly practice the lectured material and express quantitative rheological information in visuals as typically needed in written reports and orals. Participants will use their own PCs for these practice sessions and develop fluency in rheology. Plenty of personal guidance will be given over Zoom. The general objective of ARC22 is to generate an interdisciplinary group experience, in which we will discuss rheological experiments and theory. Accordingly, the theme of the course is : “[Creating Synergy Between Rheological Experiments and Theory](#)“. The IRIS software is used for that purpose. IRIS Rheo-Hub is a powerful tool to unite diverse rheology efforts at a high level, thereby generating a common standard. This applies not only to rheology activities within a small group but also to globally distributed efforts in multi-national companies.

General Information, Course Content, and Registration:

https://rheology.tripod.com/TOP_ARC22.htm