

Exploring Rheology - An Introduction to Rheology and Rheological Methods



A colloquium sponsored by the Society of Physics Students and the American Chemical Society

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The study of rheology traditionally has heavily focused on polymer research and quality control. Now it has grown into many disciplines, as a result rheology is becoming a critical skill for research and development quality control in industrial, academic and government institutions. As

rheology is a powerful tool to determine the mechanical prosperities of a material, it supports the development of new materials, monitoring processes and differentiating similar materials. Common real world usage can range from fundamental mechanical research to practical applications including biomedical studies, paint manufacturing, food quality control, building materials, aerospace applications, and much more in-between. This short talk will cover the concept of rheology from a theoretical scale and highlight several common, practical, use cases for the growing study.



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4:00 PM EST in Jepson 225

Please contact SPS president Carly Healy at chealy2@mail.umw.edu or ACS president Iaroslavna Kovalenko at ikovalenwith@mail.umw.edu any questions!

Hosted by the Department of Chemistry and Physics

Open to all who wish to attend

