

# Discover Viscosity Techniques at Anton Paar Workshop 9 May 2024

The workshop is aimed at those who are looking to find a solution to their viscosity measurement or customers who are new to viscosity. The workshop will involve theory and practical sessions. A programme for the meeting is shown on the following pages.

Our aim is that by the time you leave the viscosity workshop you will be able to:

## Practical Viscosity

- ▶ Understand the basic theory associated with Viscosity
- ▶ Design meaningful experiments to measure viscosity of your sample
- ▶ Different ways of measuring viscosity
- ▶ Choosing spindle and speed for simple test methods
- ▶ Checking instrument performance and calibrations
- ▶ Appreciate the potential problems and pitfall in making a measurement
- ▶ Interpret the resulting data

## Introduction to Rheology

- ▶ Understanding shear stress and shear rates as it relates to your products and their processes
- ▶ How does rheology determine how your products flow?
- ▶ Yield stress and Thixotropy: How do they govern real-life flow?

## Hands on session on different viscosity measuring instruments

Places will be limited to ensure a good ration of delegates to tutors during the workshop. To reserve your place, please complete the following form and email to: [info.gb@anton-paar.com](mailto:info.gb@anton-paar.com).

### Workshop Programme 9 May 2024

09:30 h	Registration & Coffee on arrival
09:45 h	Session 1 – with our Viscosity expert Dr Claire Freeman Viscosity Theory and Product introduction
11:00 h	Short break (15 mins) - Refreshments
11:15 h	Session 2 – split into 4 groups Practical in the Laboratory
12:30 h	Lunch break & networking (30 mins)
13:00 h	Session 3 – with our SVM (Kinematic Viscometer) with our expert Steve Vincent SVM Theory and Product Information
14:15 h	Short break (15 mins) - Refreshments
14:30 h	Session 4 – split into 4 groups Practical in the Laboratory
15:45 h	Session 5 – with our Lovis expert Ron Savin Lovis Theory and Product Information
16:15 h	Session 6 – with our Characterisation Sales Manager Craig Smith Viscous fluids – rotational tests: controlled shear rate (CSR), controlled shear stress (CSS) – measuring systems (cylinder, cone-and-plate, parallel- plate, special geometries) Practical work – flow and viscosity curves (CSR and CSS)
17:00 h	End of Workshop – Thank you and safe travels

## Meet the team



Steve Vincent is our UK Sales manager for Anton Paar measurement products including our range of viscometers. A chemist by training, he has worked for more than 30 years with market leading companies in the analytical instrument and software business.

During that time he has developed a thorough understanding of analytical chemistry techniques and issues faced in QC and R&D laboratories. He has expertise in density measurement, refractometry, electrochemistry, molecular spectroscopy. He is also our in-house expert for the pharma industry, and the data-integrity solutions we offer to address the regulatory requirements the industry faces.



Craig Smith, the UK Sales Manager for the characterisation business with over 20 years of experience in instrument sales including a decade with Anton Paar. Craig has a passion for connecting scientists with cutting-edge materials characterisation instruments that empower their research, quality control, and innovation efforts. His deep understanding of the technical aspects of our instruments, combined with a rich history of fostering strong, supportive relationships with customers, allows him to offer unparalleled service and tailored solutions.



Dr Claire Freeman is our Sales engineer in measurement for the South of UK. Claire's knowledge and interest in Viscosity, Rheology and Texture Analysis as well as her engagement with customers gave her the opportunity to become a Training and Applications Sales Specialist at Ametek Brookfield. Since being with Anton Paar Claire has continued to apply her viscosity knowledge as well as learn new technologies within the same field.



Ron Savin is an Instrumentation Engineer with experience in the water & chemical industries.

Ron has been with Anton Paar for over 20 years working across our customer base from academia to petrochemical refineries.

Ron currently covers the East of England area for our laboratory instrumentation range, as well as application specialist for our viscosity and petroleum instrumentation for the UK.



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