Tuesday 9. 5. 2023

1 Day – Basics of Rheology I. part - Rotation + Introduction to Automation and robotics in Rheology

8:30 – 9:00	Registration
9:00 – 9:15	Meet and greet
9:00– 10:30	Introduction Rheology and Viscosity test methods: From empirical to absolute measurements; Definitions of shear stress, shear rate, viscosity. Rotational tests and their application types of flow behavior
10:30 – 10:45	Short Break
10:45 – 12:30	Types of flow behavior, thixotropy, temperature dependency
12:30 – 13:30	Lunch break (included)
13:30 – 15:00	Continuation of temperature dependency and avoiding measurement errors
15:00 – 15:15	Short Break
15:15 – 16:30	Problem solving with rheometer
16:30 – 17:00	**Introduction to automation and robotics by** **Tomaž Urbančič (SLO) from Anton Paar GmbH Automation & Robotics**
17:00	End

Wednesday 10. 5. 2023

2 Day – Basics of Rheology II. Part - Oscilation

9:00– 10:30	Introduction visco-elastic behavior; Definition of deformation; shear moduli, ideal elastic behavior; Introduction to oscillatory tests
10:30 – 10:45	Short Break
10:45 – 12:30	Oscillatory measurement and their applications, amplitude sweep; Oscillatory measurements and their applications, frequency sweep
12:30 – 13:30	Lunch break (included)
13:30 – 15:00	Time – dependent visco - elastic behavior: recovery, gelling, curing temperature; Dependent visco-elastic behavior: DMTA, gelling, curing
15:00 – 15:15	Short Break
15:15 – 16:30	Problem solving with rheometer
16:30	End

Thursday 11. 5. 2023

3 Day – RheoCompass workshop

8:30 – 9:00	Registration
9:00 – 9:15	Meet and greet
9:00– 10:30	Introduction to RheoCompass
10:30 – 10:45	Short Break
10:45 – 12:30	Setup of measurements, Analysis, Reports, etc.
12:30 – 13:30	Lunch break (included)
13:30 – 15:00	Practical measurements on MCR Rheometer
15:00 – 15:15	Short Break
15:15 – 16:30	Practical measurements on MCR Rheometer and final discussion
16:30	End