

PROGRAM

THE PROFESSIONAL MATERIALOGRAPHER ADVANCED 21.- 25. OCTOBER 2024

Monday, 21. October

12:00 Arrival & lunch
13:00 Welcome and short introduction to Struers
13:30 Introduction to course form and material
14:00 Concept of materialography
15:00 Coffee break
15:15 Health & Safety in lab
15:30 Collection of own samples
16:30 End day 1

Wednesday, 23. October

7:30 Pick-up at Hotel
8:30 Case 7: Inclusions in Steel
9:00 Case 13: Titanium/Electrolytic polishing
9:15 Case 9: Electronics – Composite material
9:35 Case 10: Plasma Spray Coatings
10:00 Coffee break
10:15 Case 11: Cast Iron, etch
10:30 Case 12: Mg coating – optical etch
10:45 Selection of method for own samples
12:00 Lunch
12:45 Practical work with own samples
16:30 End day 3

Friday, 25. October

7:30 Pick-up at Hotel
8:30 Workshop pick and choose alt. - own samples

- Welding
- NDT
- Electrolytic preparation
- Hardness Testing

11:30 Evaluation and certificates
12:00 Lunch, goodbye and departure

Tuesday, 22. October

7:30 Pick-up at Hotel
8:30 Case 1: Annealing of hardened surface
8:45 Case 2: Cutting in HVOF coating
9:00 Case 3: Steel Rods with glass
9:15 Case 4: Bearings clamping
9:30 Coffee break
9:45 Case 5: Coal Pins
10:00 Case 6: Mounting Gap
10:15 Guided Tour & Group photo
10:45 Pract. work – Cutting & Mounting Artefacts
12:00 Lunch
12:45 Pract. work – Cutting & Mounting Artefacts
14:00 Coffee break
14:15 Pract. work – Grinding/Polishing Artefacts
15:45 Polishing cloth workshop
16:30 End day 2

Thursday, 24. October

7:30 Pick-up at Hotel
8:30 Microscopy and enhancing contrast lecture
9:30 Materials microstructure workshop
10:00 Coffee break
10:15 Image analysis workshop
11:15 Practical work with own samples
12:00 Lunch
12:45 Practical work with own samples
15:00 Coffee break
15:15 Practical work with own samples
16:30 End of day 4

