

Workshop Timetable for Workshop on Experimental Mechanics

12 - 16 April 2021, University of Bristol, UK

Schedule is for guidance only

Day 1	Mechanical Testing Procedures	Speakers to be confirmed
08.30	Registration and Coffee	
09.00	Lecture 1: Registration and Overview	
10.00	Lecture 2: Test Machine Principles	
11.00-11.30	Break	
11.30	Lecture 3: Strain Gauges	
13.00-14.00	Lunch	
14.00-15.30	Laboratory Sessions on Strain Gauges and Mechanical Testing	
15.30-16.00	Break	
16.00-18.00	Laboratory Sessions on Strain Gauges and Mechanical Testing continued	

Day 2	Digital Image Correlation and other White Light Techniques	
09.00	Lecture 4: White Light Imaging	
11.00-11.30	Break	
11.30	Lecture 5: Digital Image Correlation and Grid Techniques	
13.00-14.00	Lunch	
14.00	Lecture 6: Metrology and Uncertainty Quantification in DIC	
15.30-16.00	Break	
16.00-18.00	Laboratory Sessions on Camera Set-up and Digital Image Correlation	
Day 3	White Light Data Analysis and Processing	
09.00	Lecture 7: Data Analysis and Filtering	
11.00-11.30	Break	

11.30	Practical Session on DIC Processing	
13.00-14.00	Lunch	
14.00	Lecture 8: Virtual Fields Method	
15.30-16.00	Break	
16.00-18.00	Practical Session on Data Processing	
Day 4	Infra-red Imaging	
09.00	Lecture 9: Infra-red Imaging	
10.00	NDE Applications of Infra-red Thermography	
11.00-11.30	Break	
11.30	Thermoelastic Stress Analysis	
13.00-14.00	Lunch	
14.00-16.00	Laboratory Sessions on Infra-red Techniques	

16.00-16.30	Break	
16.30-18.00	Course party	
Day 5	Other Techniques and Practical Applications	
09.00	Lecture 12: High Speed Imaging	
10.00	Lecture 13: Electronic Speckle Pattern Interferometry	
11.00-11.30	Break	
11.30	Industrial Applications	
13.00-14.00	Lunch	
14.00	Practical Session on Infra-red Data Processing	
15.00	Wrap-up and Close	