

# Thermal Methods Group - TAC 2019 Short Course

## Modern Thermal Analysis Techniques and their Applications

University of Greenwich, Chatham Maritime, Kent, April 15<sup>th</sup> 2019

*This intensive short course will cover a wide range of modern thermal analysis techniques and illustrate their application to the solution of real problems, using carefully selected case studies on a range of materials. There will be ample opportunity to speak directly with the presenters throughout the day.*

*All course participants will receive a copy of the Royal Society of Chemistry book "Principles of Thermal Analysis and Calorimetry" produced by the TMG in 2016.*

### Short Course Programme

<b>09:00</b>	<b>Registration &amp; Coffee</b>
<b>09:30</b>	<b>Welcome &amp; Introduction</b>
<b>09.40</b>	<b>Modern DSC Techniques</b> <i>Professor Simon Gaisford, University College London</i>
<b>10.20</b>	<b>TG &amp; Simultaneous TG-DTA/DSC</b> <i>Dr Duncan Price, Edwards Vacuum</i>
<b>11.00</b>	<b>Coffee</b>
<b>11.30</b>	<b>Evolved Gas Analysis Techniques</b> <i>Dr Paul Gabbott, PETA Solutions and Thermal Instruments Ltd</i>
<b>12.10</b>	<b>Thermomicroscopy</b> <i>Dr Milan Antonijevic, University of Greenwich</i>
<b>12.40</b>	<b>Lunch</b>
<b>13.40</b>	<b>Sample Controlled Thermal Analysis</b> <i>Dr Gareth Parkes, University of Huddersfield</i>
<b>14.10</b>	<b>Case Studies 1. Energetic Materials</b> <i>Professor Ted Charsley, University of Huddersfield</i>
<b>14.40</b>	<b>Coffee</b>
<b>15.10</b>	<b>Case Studies 2. Pharmaceuticals</b> <i>Dr Vicky Kett, Queen's University Belfast</i>
<b>15.40</b>	<b>Case Studies 3. Polymers</b> <i>Dr Mogon Patel, AWE</i>
<b>16.10</b>	<b>Close</b>