

TAC 2019

16-17th April 2019
University of Greenwich
PK008, Lecture Theatre

Tuesday, 16 th April 2019	
08:30 am	Registration – Pilkington PK011
09:15 am	Welcome and Opening Remarks – Duncan Price
09:30 am	Plenary Lecture Use of Isothermal Calorimetry to characterise probiotic supplements - Simon Gaisford, UCL, London, UK
10:10 am	Coffee break - Pilkington PK011
10:40 am	Session 1 - Polymers Chair - Vicky Kett
10:40 am	A framework for characterising the long-term degradation of polymer composites through modelling and experiments - Valerio Carollo, TWI, UK
11:05 am	A Comparison between DSC and DMA for Polyester-Melamine Coil Coatings with Varying Crosslinker Content - Fabian Sorce, Imperial College London, UK
11:30 am	Innovative thermal analysis and calorimetry methods in polymers - Derek Black, Setaram, France
11:55 pm	Comfort break
12:10 pm	Session 2 Chair - Ian Priestley
12:10 pm	5 minute presentations by instrument manufacturers
1:00 pm	Lunch - Pilkington PK011
1:45 pm	Thermal Methods Group - AGM
2:00 pm	Session 3 Chair - Ted Charsley
2:00 pm	Hot-stage microscopy-Direct Analysis in Real-Time mass spectrometry (HDM) applied to the analysis of polymers - Gage Ashton, University of Huddersfield, UK
2:25 pm	Miniaturized ceramic differential scanning calorimeter with integrated oven and reference (ChipDSC) targeted to polymers, sealants and adhesives - Hans-W. Marx, Linseis Messgeräte GmbH, Germany
2:50 pm	Evaluating the delivery of medicines by drones: Temperature is key for maintaining in-flight stability - Paul Royall, Kings College London, UK
3:15 pm	Coffee break - Pilkington PK011
3:45 pm	Session 4 Chair - Glynn Van-De-Velde
3:45 pm	Exploring new ways to solve old problems; the hunt for a replacement to the 80°C self-heat test - Ruth Tunnell, QinetiQ, UK
4:10 pm	The application of thermal analysis techniques, TGA and DSC, in dark chocolate analysis - Karolina Dolatowska-Żebrowska, Warsaw University of Life Sciences, Poland
4:35 pm	The application of Thermoanalytical Techniques to Case studies in Preventive Conservation and in Evaluation of Novel Conservation Treatment - Marianne Odlyha, Birkbeck University of London, UK

Drinks Reception, Conference Dinner and Prize Announcements
6:00 pm in The Wardroom, Pembroke Building, University of Greenwich at Medway.
(map inside back cover)

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08:30 am	Morning coffee - Pilkington PK011	
09:15 am	Session 5	Chair - Duncan Price
09:15 am	TAC 2020 – Duncan Price	
09:25 am	Denaturation of Cod (<i>Gadus morhua</i>) Protein at room temperature. A study using Dielectric Thermal Analysis - Glynn Van-de-Velde, Lacerta Technology Ltd., UK	
09:50 am	Application of thermoporometry to porous materials microstructure analysis in regard to hardened cement paste - Dalia Bednarska, Lodz University of Technology, Poland	
10:15 am	Coffee break - Pilkington PK011	
10:45 am	Session 6	Chair - Milan Antonijevic
10:45 am	Use of synchronous XRD-DSC to characterise pharmaceutical polymorphs - the case of olanzapine form IV- Simon Gaisford, UCL, London, UK	
11:10 am	Preparation and Reduction of Metal Oxides using various Thermoanalytical Techniques - Gareth Parkes, University of Huddersfield, UK	
11:35 pm	Comfort break	
11:45 am	Session 7	Chair - Gareth Parkes
11:45 am	Recent progress with Thermal Analysis by Structural Characterisation (TASC) - Mike Reading, Cyversa, UK	
12:10 pm	The application of thermal methods in drug development - Amy Woods, GSK, UK	
12:35 pm	Duncan Price, Thermal Methods Group Chair - Closing Remarks	
12:45 pm	Lunch - Pilkington PK011	
1:45 pm	Close of TAC 2019 meeting	