

**TAC 2015 50th Anniversary Conference of the
RSC Thermal Methods Group**
Churchill College Cambridge, 30th March to 1st April 2015

Plenary Lectures

Thermal Analysis and Cognate Techniques in the Development of Pharmaceutical Co-crystals. Prof Bill Jones, University of Cambridge.

Metastability & Reorganization Phenomena: Recognition, Measurement and Utilization. Prof Vincent Mathot, SciTe. B.V. Geleen, the Netherlands

Sample Controlled Thermal Analysis for Adsorbents : Why and How ? Prof Jean Rouquerol and Prof Françoise Rouquerol, MADIREL, UMR CNRS, Marseille, France.

Submitted Papers (as at 27/11/14)

In-situ DRIFT spectroscopy study to investigate gas sorption on modified transition metal oxides. Professor Cornelia Breitung, TU Dresden, Germany.

PulseTA[®] applied to the investigation of solid oxides and fluorides. Dr Michael Feist, Institut für Chemie der Humboldt-Universität zu Berlin, Germany.

Characterisation of 3D printed medicines. Dr Simon Gaisford, University College London.

DSC Analysis and Microstructural Analysis of Solid State Reactions in Bi-Metallic Cold Spray Deposits During Heat Treatment. Ing Petra Hanusová, Institute of Material Science and Engineering, Brno University of Technology, Czech Republic.

Thermal Hazard Indicators from DSC and UN SADT Test H.1 - Investigation of Self Accelerating Decomposition Temperature (SADT) of AIBN. Dr B. Roduit, AKTS Inc., Switzerland.

Functionalised Carbon Black and Silica Polypropylene Nanocomposites. Céline Shepherd , Department of Chemistry, University of Oxford.

Active sites characterization using adsorption microcalorimetry under reaction conditions. Dr.S. Wrabetz, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin, Germany

The use of Images Analysis to create new thermal techniques.
Prof Mike Reading, Department of Chemical Sciences, University of Huddersfield.

Silk: linking eggs to polymer melts.
Dr. Chris Holland, University of Sheffield.

Kinetic analysis of the thermal decomposition of polymeric precursors into polymer derived SiOC and SiCN ceramics. Dr. Pedro E. Sánchez-Jiménez, Universidad de Sevilla-CSIC, Spain.