

# TAC 2018

Thermal Analysis and Calorimetry

27 and 28 March 2018

Annual conference of the



## Call for Papers and Posters

Submissions to [tmgrsc@gmail.com](mailto:tmgrsc@gmail.com)

Deadline 31<sup>st</sup> January 2018

## Recent Applications of Thermal Analysis and Calorimetry

The conference will feature presentations on applications of thermal analysis to a range of topics including pharmaceutical processing, hot melt extrusion, 3-D printing, co-crystals, and ionic liquids. There will also be a general session on applications of thermal analysis.

### Confirmed Speakers

- **3D Printing of Pharmaceuticals**  
Prof Simon Gaisford, UCL School of Pharmacy
- **Hot melt extrusion and cocrystals In pharmaceutical materials processing**  
Prof Anant Paradkar, Centre for Pharmaceutical Engineering Science, University of Bradford
- **Thermal techniques to monitor setting properties of bone cements**  
Prof Nicholas Dunne, School of Mechanical & Manufacturing Engineering, Dublin City University
- **Thermal methods role in the development of formulations for opioid overdose & poorly soluble drugs**  
Dr Paul Royall, King's College London
- **Solubility enhancement and the role of thermal analysis**  
Prof Barbara Conway, University of Huddersfield
- **Mixing enthalpy for binary Mixtures Containing Ionic Liquids**  
Johan Jacquemin, Faculté des Sciences, Université F. Rabelais Tours

TAC brings together scientists, engineers and industry specialists to present and discuss the research, innovative developments and measurement solutions offered by wide-ranging thermal analysis and calorimetric techniques

Hosted by the School of Pharmacy



Queen's University  
Belfast

## Modern Techniques on Thermal Analysis and Calorimetry

The Course will provide a comprehensive overview of the latest developments and applications of the main thermal analysis and calorimetry techniques including DSC, modulated temperature DSC, fast scan DSC, TG, evolved gas analysis, thermomechanical and dynamic thermomechanical analysis, sample controlled techniques and micro and solution calorimetry. 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.

### Cyril Keattch Award Competition

The award is made to an outstanding early career scientist working in the field of thermal analysis or calorimetry to enable them to present a paper based on their work at an International Conference. It consists of an Award Certificate and a bursary of up to £1000 towards the Conference Registration fee and travel and living expenses at the Conference. The 2018 Cyril Keattch Award will be associated with the 12<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry (ESTAC 12) which will be held in August 2018 in Brasov, Romania

### Mackenzie - Redfern Bursary Competition

Established to help early career scientists present a paper or poster. They will be awarded to the three best entries for the 2018 Cyril Keattch Award and will consist of a prize of £150 and an Award Certificate.

### Manufacturers Exhibition

Opportunity to discuss the measurement techniques with suppliers of thermal analysis instrumentation

### Conference Banquet

The conference dinner will be held in the Great Hall of the University Lanyon Building.

### Accommodation

[Malone Lodge Hotel and Apartments](#) is within walking distance from the venue. Delegates are advised to check online sites for nearby accommodation options.

#### Continuing Professional Development (CPD)

certificates will be issued for participants at both the events

More details and registration:

[www.thermalmethodsgroup.org.uk](http://www.thermalmethodsgroup.org.uk)

Local Organiser: Dr. Vicky Kett ([v.kett@qub.ac.uk](mailto:v.kett@qub.ac.uk))

