NATAS Short Course

The acclaimed NATAS Short Course will immediately after the conference on Aug. 9-10, 2018. The aim of the Short Course is to introduce participants to the fundamentals of thermal analysis and rheology, instrumentation, test protocols, and specimen preparation. Hands on instruction is included. Applications in focused areas, including polymers, pharmaceuticals, and energetic materials will be discussed in depth. NATAS Short Course instructors are highly credentialed and renowned for their expertise. Beginning thermal analysts, graduate students, and those wanting to enhance their understanding and practice of thermal analysis will benefit from enrolling in the NATAS Short Course. Updated Short Course details can be found at our website, WWW.NATASINFO.ORG

Short Course Organizer:
Dr. Sara Reynaud
sara.reynaud@arkema.com

Notable Web Addresses

NATAS  www.natasinfo.org
University of Pennsylvania  www.upenn.edu
Houston Hall, U. of PA,  www.perelmanquad.com
Sheraton University City,  www.philadelphia sheraton.com
Philadelphia Convention and visitors Bureau  www.philadelphiausa.com
Phila International Airport  www.phl.org
American Airlines  www.aa.com
Delta Airlines  www.delta.com
Southwest Airlines  www.southwest.com

45th Annual Conference of the North American Thermal Analysis Society

The 2018 Venue

Philadelphia, PA is the fifth largest and one of the oldest cities in the USA. The conference site is Houston Hall, www.perelmanquad.com, at the University of Pennsylvania, an Ivy League school founded by Benjamin Franklin. It is steeped in history having both the first medical school in the country and a world renowned museum of anthropology and archeology. Participants and spouses will have no shortage of places to see and things to do, all within easy reach of the conference site. These include Independence Hall, the Liberty Bell, and the new Constitution Center- see the Philadelphia Convention and visitors Bureau, www.philadelphia usa.travel.

Philadelphia International Airport, which is only five miles from city center, is serviced by most major airlines and is a hub for American Airways. Road and rail travel are equally convenient.

Philadelphia at night

Conference Announcement and First Call for Papers

Technical Conference
August 6-9, 2018
Short Course
August 9-10, 2018

Houston Hall
University of Pennsylvania
Philadelphia PA 19104

Visit WWW.NATASINFO.ORG for the Latest Conference Details and Information.

The conference is co-sponsored by the Laboratory for Research on the Structure of Matter, University of Pennsylvania.
The North American Thermal Analysis Society offers scientists and practitioners the opportunity to explore the frontiers of thermal analysis, rheology, and materials characterization by participating in the 2018 NATAS Conference and Short Course. Presentations and posters by renowned scientists and graduate students set the stage for excellent discussions and an ideal environment to learn about state-of-the-art techniques and exciting new developments in materials research. A Technical Exhibit will feature multiple vendors presenting their latest instrumentation for thermal analytical and rheological measurements. The cordial setting provides conference attendees the opportunity to review a variety of instruments and services offered by many vendors in a single location.

Plan to attend the opening invited lecture, welcome reception and student and general poster sessions on Monday evening, August 6 in Houston Hall, along with the opening of the Instrument Exhibition. The Conference Banquet will be held on Wednesday, August 8, 2018.

Call for Papers
Abstract Deadline: April 15, 2018
WWW.NATASINFO.ORG

Technical Program
Honorary Session for Prof. Patrick Gallagher
Honorary Session for Prof. Wei-Ping Pan
Advances in Instrumentation and Methods
Physical Properties of Polymers
Biomaterials & Biopolymers
Food Science
Metals, Inorganic, and Ceramic Materials
Kinetics
Fast Rate DSC
Thin Films and Nanoconfinement
Composites and Nanocomposites
Thermosets
Pharmaceuticals
Rheology and Viscoelasticity
Wood Science and Technology
Sustainable Materials and Green Chemistry
Thermal Conductivity
Energetic Materials
Thermal Hazards
Additive Manufacturing
Process Analysis
General Session
Student and General Poster Session

Technical Program Chair
Prof. Xiao Hu
Physics, Rowan University
hu@rowan.edu

Conference Chair
Dr. Andrew R. McGhie
LRSM, University of Pennsylvania
mcghie@lrsm.upenn.edu

Student Poster Competition
NATAS 2018 will host the Annual Student Poster Competition open to undergraduate and graduate students utilizing thermal methods in their research. Awards will be presented at the conclusion of the poster competition.

NATAS Student Travel Awards
NATAS encourages graduate student participation by providing financial support for up to five awards of $250-500 each. Details on how to apply will be provided at the Society webpage at WWW.NATASINFO.ORG

NATAS Professional Recognition
NATAS annually recognizes outstanding achievements and contributions in thermal analysis with the following awards.

NATAS Mettler Award for Outstanding Achievement for distinguished contributions in the field of thermal analysis.

NATAS SETARAM Student Award for the best original contribution by a graduate student to the advancement of the field of thermal analysis.

NATAS Netzsch Fellowship Award for sustained contributions in the field of thermal analysis.

NATAS Netzsch Outstanding Service Award for meritorious contributions to the Society. Nomination details are provided on the Society webpage WWW.NATASINFO.ORG.