



Thermal Analysis Seminar & Workshop – McGill University

METTLER TOLEDO Canada invites you to a Thermal Analysis Seminar; please join us at McGill University on April 27th, 2012 to learn more about new leading-edge Thermal Analysis technologies (Flash DSC1), as well as the latest advancements and advice on standard thermal analysis techniques such as DSC, TGA, TMA, DMA and more.

Differential Scanning Calorimetry, DSC, is the most important method in thermal analysis. It measures the heat flow to or from a sample as a function of temperature or time and thereby allows physical transitions and chemical reactions to be quantitatively measured. The Flash DSC1 revolutionizes rapid-scanning DSC.

An ideal complement to DSC, the Flash DSC1 extends standard DSC's capabilities by determining energy absorbed or released by a sample as it is rapidly heated or cooled. The Flash DSC1 can analyze reorganization processes that were previously impossible to measure with traditional DSC, and it is capable

of measuring heat flow in micrograms of material as much as 1000 times faster than conventional DSC. Heating rates now cover a range of more than 7 decades; with cooling rates of up to 4,000 K/s and heating rates up to 40,000 K/s, FDSC is an ideal tool for studying crystallization kinetics, for example, and many other fast reactions.

We will also review tips & tricks to get meaningful results in Thermal Analysis (from sample preparation to interpretation and evaluation of numerical results using techniques such as DSC, TGA, DMA, etc.).



Dr Rudolph Riesen, senior application scientist at our METTLER TOLEDO Materials Characterization headquarters in Switzerland, will be giving the two application-oriented presentations followed by a technology overview and a virtual demonstration of the METTLER TOLEDO Flash DSC1.

Dr Tomislav Friscic, Assistant Professor – Chemistry Department, McGill University, will also give a presentation on DSC microscopy applications.

Date and Location

Friday April 27th, 2012

**McGill University, Department of Chemistry
Otto Maass Building (801 Sherbrooke W, Montreal)
Room 10**

This event is free to attend and sponsored by METTLER TOLEDO – Space is limited, register now!

Agenda

9:15 – 9:30 am: Arrival and check-in

9:30 – 10:30 am: Very high DSC scanning rates to study transitions of metastable materials – Dr Riesen, MT

10:30 – 11:15 am: Tips & tricks to get meaningful results in Thermal Analysis – Dr Riesen, MT

11:15 – 11:30 am: Q&A, break

11:30 am – 12:15 pm: DSC Microscopy Applications – Dr Friscic, McGill

12:15 – 1:00 pm: Complimentary lunch

1:00 – 3:00 pm: Technology overview of the new Flash DSC1 system with live demonstration – Dr Riesen, MT

Register on-line at:

www.mt.com/cdn-thermal

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