

# Program

**“Modern thermoanalytical techniques  
and their application”  
(Thermal Analysis Seminar)  
May 27 – 29, 2008**

**Tuesday, May 27<sup>th</sup>, 2008**

- 01:30 p.m. Registration
- 02:00 p.m. Welcome; introduction to NETZSCH
- 02:15 p.m. Application of thermal analysis techniques  
An overview  
*“What method for what purpose”*
- 03:15 p.m. Guest lecture (I)
- 03:45 p.m. Coffee break
- 04:15 p.m. Focus on Differential Thermal Analysis (DTA) and  
Differential Scanning Calorimetry (DSC)
- methods
  - instruments
  - calibration
  - influence of experimental parameters on results
- 05:45 p.m. Summary of the day
- Joint Dinner

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# Program

## **Wednesday, May 28<sup>th</sup>, 2008**

- 09:00 a.m. Focus on Thermogravimetry (TGA) and Simultaneous Thermal Analysis (STA) – combined technique for DSC/DTA-TG
- methods
  - instruments
  - calibration
  - influence of experimental parameters on results
- 10:30 a.m. Coffee break
- 11:00 a.m. Hands-on workshop (I) in groups
- 12:30 p.m. Lunch break
- 02:30 p.m. Hands-on workshop (II) in groups
- 03:30 p.m. Focus on Thermomechanical Analysis (TMA) and Dilatometry (DIL)
- 04:00 p.m. Advanced measurement techniques
- TM-DSC
  - c-DTA (for TG and DIL)
  - Super-Res (for TG)
  - RCS (for DIL)
  - OIT (for DSC)
  - specific heat determination (for DSC)
- 04:45 p.m. Coffee break
- 05:15 p.m. Advanced Software (Thermokinetics, Purity, Peak Separation) and its application
- 06:15 p.m. Summary of the day
- 07:30 p.m. Joint Dinner

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**Thursday, May 29<sup>th</sup>, 2008**

- 09:00 a.m.    Coupling with MS and/or FTIR  
                  What are the benefits of such a system enhancement
- 09:45 a.m.    Introduction to special techniques like Laser Flash (LFA),  
                  Dielectric Analysis (DEA) and Heat Flow Meters (HFM)
- 10:30 a.m.    Coffee break
- 11:00 a.m.    What TG and DSC/DTA curves can tell us  
                  the right way for correct interpretation - application  
                  examples and recommendations
- 12:30 p.m.    Lunch break
- 02:30 p.m.    Hands-on workshop (III) in groups
- 03:30 p.m.    Guest lecture (II)
- 04:00 p.m.    Discussion of further questions
- 05:00 p.m.    Farewell

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