Thank you for your interest in TA Instruments’ Training Courses. Enclosed please find the detailed program, practical information and a registration form.

Two types of Modulated DSC training courses are available. The basic MDSC training is mainly hands-on, and is designed for the operator of the instrument. The advanced MDSC training is lecture based. It is designed to help the researcher / lab manager in choosing optimum measurement conditions and performing interpretation of the results. Examples of the use of MDSC for various applications and to study different types of transitions are covered.

**Modulated DSC Basic Training (hands-on)**

09.15 – 09.30  Registration – coffee

09.30 – 12.00  Introduction instrumentation  
  MDSC calibration  
  Design of an experimental method  
  Sample preparation and set-up of experiments

12.00 – 13.00  Lunch

13.00 – 16.30  Interpretation of the results  
  Use of data analysis software

16.30 – ….  Question session

There is a fair chance for participants to measure their own samples during this hands-on training.
Modulated DSC Advanced Training (theory)

09.15 – 09.30  Registration – coffee

09.30 – 12.00  Advantages of MDSC in comparison with conventional DSC
Calibration of Modulated DSC
Optimisation of experimental conditions for MDSC (purge gas, sample preparation, choice of pan type, modulation parameters and heating rate)

12.00 – 13.00  Lunch

13.00 – 16.00  MDSC data interpretation
- glass transition region
- influence of experimental conditions in the melting region
Measurement of heat capacity with MDSC or Advanced Tzero DSC
Special measuring conditions and data analysis
- thermal conductivity
- stepwise quasi-isothermal
- phase angle
- Lissajous figures

16.00 – ….  Question session
**Practical Information**

**Location:** Application lab TA Instruments  
Zellik (B) or Etten-Leur (NL)

**Language / notes:** The course language is English.  
Notes are provided at the start of the day.

**Registration fee:** Registration fee is 400 Euro per day per person.  
Lunch is included.  
Participation is free of charge for users who recently bought new equipment, with a maximum of 2 persons (excluding optional hotel fare).  
Universities / schools receive 100 Euro discount on the registration fee.  
An invoice for course registration (if applicable) will be send after the course.

**Hotel:** If desired we can make a hotel reservation for you or provide you with information of hotels located close to our office. Hotel expenses are additional and to be paid directly at the hotel reception.

For all additional questions please contact Katia Van Praet at:

B: +32-2-7060080 or  
NL: +31-76-5087270
Registration Form

Mail to  belgium@tainstruments.com or netherlands@tainstruments.com
or fax to  +32-2-7060081 or +31-76-5087280

Name :
Company :
Department :
Address :
ZIP Code : City :
Phone : Fax :
E-mail :

I want to register for Advanced Modulated DSC Training on

☐ February 15, 2006, in Etten-Leur
☐ October 4, 2006, in Zellik

I want to register for Basic Modulated DSC Training on

☐ April 27, 2006, in Etten-Leur
☐ November 15, 2006, in Brussels

Note that the indicated course location might be subject to changes.

Please make hotel reservation on  …………………….. (indicate date)

Registration fee for the course:

☐ Free of charge (user of new equipment)
☐ 400 Euro
☐ 300 Euro (University / school only)

As a confirmation of your registration you will receive at latest a week prior to the course a road description to our application lab, and if applicable more details with respect to the hotel.