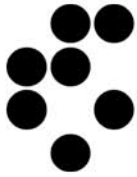


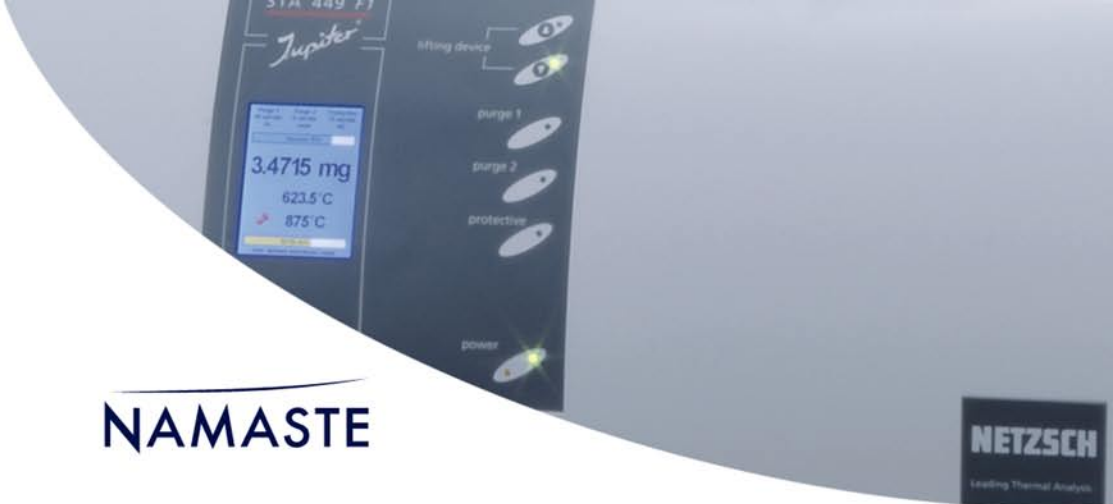
KEMOMED

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Institut "Jožef Stefan", Ljubljana, Slovenija



NETZSCH
Leading Thermal Analysis

Joint seminar of NETZSCH and Kemomed d.o.o

in co-operation with:

**Jožef Stefan Institute, Electronic Ceramics
Department, and Centre of Excellence NAMASTE**

**“Modern thermo-analytical techniques and their
application”**

June 7th 2011 at

**Main lecture hall at the Jožef Stefan Institute,
Jamova 39, Ljubljana**



Thermo-analytical techniques are ever more commonly used in various research and routine laboratories; we are therefore inviting you to join us at a one day seminar about these techniques and their applications.

The aim is to give a basic overview of techniques, instruments and research results.

We have therefore invited:

Ralf Franke, PhD

Ralf gained his PhD degree at the Friedrich Schiller University, Jena, Germany. The title of the PhD thesis was "Identification of the gas content of technical glasses". He joined Netzsch in 1990. His expertise in the Analysis & Testing Division is heading the Customer Training Department. His long experience of instruments and applications makes him a valuable source of practical information.

Bernhard Sauseng,

Bernhard graduated from the Advanced Technical College in chemical engineering. He has supplemented his experience and knowledge through work and training in the Industrial Laboratory for Research and Development. He has also finished application sales and training for physical and chemical analysis instruments. He joined Netzsch in 1997 as a member of the sales and service team. Since 2010, he has been the commercial director at NETZSCH-Gerätebau Graz.

Tadej Rojac, PhD

Tadej gained his PhD degree in 2007 at the Faculty of Chemistry and Chemical Technology, University of Ljubljana, in the field of chemical technology (materials). The topic of his PhD thesis was related to the mechano-chemical processing of sodium niobate (NaNbO_3). He is presently employed at IJS as a doctoral assistant. His expertise includes x-ray powder diffraction analysis (Rietveld analysis, x-ray line-broadening analysis), thermal analysis, infrared spectroscopy, Raman spectroscopy, electron microscopy (scanning and transmission), dielectric and piezoelectric characterization

We invite you to join us and share your experience with other colleagues.

Tatjana Marčac Grahek M. Sc.
CEO, Kemomed d.o.o.
on behalf of the whole organizational team



Agenda:

8:30 – 9:00

- Registration

9:00 - 9:10

- Welcome and Introduction, Tatjana Marčac Grahek, Kemomed d.o.o., Bernhard Sauseng, Netzsch

9:10- 9:40

- Application of thermal analysis techniques – an overview “What method for what purpose”, Ralf Franke, Netzsch

9:40 – 10:10

- Focus on differential thermal analysis (DTA, DSC), Bernhard Sauseng, Netzsch

10:10 – 10:40

- Focus on thermogravimetry (TGA) and combined techniques (STA), Ralf Franke, Netzsch

10:40 -11:00 Coffee break

11:00 - 11:30

- Coupling with MS and/or FTIR – what are the benefits of such a system enhancement, Bernhard Sauseng, Netzsch

11:30 – 12:00

- Mechano-chemistry of alkaline niobates and tantalates: Understanding reaction mechanisms using combined thermogravimetric analysis, evolved-gas analysis and infrared spectroscopy, Tadej Rojac, Jožef Stefan Institute

12:00 – 12:20

- Advanced measurement techniques: Temperature Modulated DSC
Oxidation Induction Time
Determination of Specific Heat Capacity
Ralf Franke, Netzsch

12:20 – 13:00 Snack Break

13:00 – 13:30

- Advanced software (Thermokinetics, Purity, Peak Separation), Bernhard Sauseng, Netzsch

13:30 – 14:00

- Methods for measurement of thermo-physical properties (thermal diffusivity, thermo-conductivity) Bernhard Sauseng, Ralf Franke, Netzsch

14:00 – 14:30

- Thermo-mechanical Methods (Dilatometry, TMA, DMA) Ralf Franke, Netzsch

14:30

- Closing remarks

Organisational team:

Kemomed d.o.o.: Tatjana Marčac Grahek

Netzsch: Bernhard Sauseng

Institut “Jožef Stefan”: Barbara Malič

Namaste: Tina Ručigaj



Registration form:

Name: _____

Company: _____

Address: _____

Address: _____

Tel./Fax. _____

E-mail: _____

THERE IS NO REGISTRATION FEE. Please send your registration BY: **1.6.2011** to:

Kemomed d.o.o. Tel: 04 2015 050
Kališka 9 Fax: 04 2015 055
4000 Kranj e-mail: info@kemomed.si
Slovenia t.grahek@kemomed.si

For all additional and accommodation info and help please contact Tatjana Marčac Grahek at Kemomed d.o.o.

Accommodation:

Hotels in Ljubljana can be contacted for room reservations. Room costs should be covered by each participant directly at the hotel.

Hotel suggestions:

Union Hotel Ljubljana **** info at: <http://gh-union.si/business/index.php>

Hotel Slon Ljubljana **** info at: <http://www.hotelslon.com/>

City Hotel Ljubljana *** info at: <http://www.cityhotel.si/cms/index.seam>

Central Hotel Ljubljana *** info at: <http://www.centralhotel.si/>

M Hotel Ljubljana *** info at: <http://www.m-hotel.si/>

Mons Hotel Ljubljana (on the motorway ring road) **** info at: <http://www.hotel.mons.si/>

Parking:

Due to the lack of parking places at the institute, no parking there is possible.

The closest parking is at the Mega Market Interspar on Jamova c. 105. The Market is 10 min walking distance.

