



Mr. Rémi Andre

SETARAM Assistant Scientific Director

Mr Rémi ANDRE received his MSc in Chemistry from the University of Haute Alsace in Mulhouse, France in 2001. He joined SETARAM Instrumentation in 2001 after working at the Swiss Institute for the Promotion of Safety on the study of a new type of reaction calorimeter (DRC). After several years spent in the fields of technical sales and marketing, he joined the application laboratory in order to develop SETARAM calorimetry product and applications. He focused also his works on high pressure applications, and more specifically on the coupling between manometric and calorimetric techniques in order to study sorption and desorption phenomena.

In 2012 he was appointed Assistant Scientific Director and his main missions are to develop the scientific communication of SETARAM in existing markets, detect and evaluate the capacities of SETARAM in new markets, give an applicative input to the R&D department and participate in the innovation effort of the company.

Workshop: Thermal Analysis for Energy & Materials Applications

This workshop is conducted in collaboration with Prof. Gideon Grader Thermal Analysis Laboratory, Chemical Engineering Department - <http://ceramicenergy.technion.ac.il/>.

Agenda:

9:30 - Gathering and Refreshments

10:00-10:40 - TGA (Thermogravimetry), STA (simultaneous TGA/DTA), and TGA-EGA (TGA coupled with gas emission analysis by MS, FTIR).

10:40-11:20 - Calorimetry and microcalorimetry: including quick introduction of Cp and biotech field application.

11:20-11:50 – Break

11:50-12:30 - Manometry and Sievert's method: gas sorption properties of different materials.

12:30-13:10 Applications in the fields of fossil energies and energetic materials: catalysis, gas hydrates and explosives.

13:10-13:40 – Break

13:40-14:20 - Applications in the field of renewable energies: Hydrogen storage – batteries, biomass.

14:20-15:00 - Applications in the field of advanced materials: building materials and ceramics.

MEDIFISCHER  Engineering & Science

Medi-Fischer Engineering & Science Group specializes in sophisticated state of the art technologies and methods for the Medical and the Scientific fields.

Medi-Fischer's Scientific division is responsible for the most advanced equipment in the fields of: Thermal Analysis and Calorimetry; Gas sorption Measurements; Quadrupole Mass spectrometers for Residual Gas Analysis; Gas analysis (including Catalysis); Surface Science; Plasma Diagnostics & Electrical properties measurements; Petrochemical analysis and control; Rheology & Viscosity measurements; Laboratory furnaces and more.

Thursday, January 09, 2014, 09:30

Coler California Visitors Center

Technion City, Haifa

<http://ceramicenergy.technion.ac.il/>

E-mail: gtep@tx.technion.ac.il

Tel: 04-8295098

<http://gtep.technion.ac.il/>