

Events

The Guest Editors of this Special Chapter and the Conference Organisers are looking forward to meeting you at the

31st International Conference on Vacuum Microbalance Techniques

IVMTC³¹

Izmir Institute of Technology
Izmir, Turkey

12–14 September, 2007



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SCOPE OF THE CONFERENCE

The subject matter of the Conference covers all aspects of mass and force determination, in particular under vacuum or controlled atmosphere. It includes theoretical and experimental work like thermogravimetry, sorptometry and measurement of chemisorption, physisorption, surface reactions, magnetic properties, surface tension, etc. Reports on progress in instrumentation should deal with microbalance and related techniques including supplementary equipment and corresponding coupling techniques.

SCIENTIFIC PROGRAMME

The scientific programme will include plenary lectures and contributed lectures (20 min) as well as poster presentations which deal with.

- History and advances in microweighing
- New techniques to measure mass and weight in vacuum and controlled environments
- Gravimetric measurement of highly porous materials; catalysts, polymers, advanced materials, nanotechnology
- Adsorption rates and equilibria
- Industrial applications of microbalance and microforce sensors including oscillators and load cells
- The coupling techniques: to DSC, TMA, DTA, DTG, MS, IR, etc.
- Vacuum apparatus, microelectronics and related equipment.

EXHIBITION

An exhibition of balances, thermoanalytical apparatus and complementary techniques will take place during this conference.

IMPORTANT DATES

Pre-registration: November 10, 2006

Notifications acceptance: December 13, 2006

Deadline for registration: June 16, 2007

Deadline for paper submission for publication: September 14, 2007

THE VENUE

IZMIR

Izmir 'The pearl of the Aegean' is the third most populous city of Turkey and the country's largest port after İstanbul. It is located on the Aegean Sea near the Gulf of İzmir. The former Smyrna is one of the oldest cities of the Mediterranean basin, established in the 3rd millennium B.C. Impressive civil work of Greek architecture, synagogues, early Christian and Islamic buildings are preserved in the town and in the near surrounding. Modern İzmir also incorporates world-famous ancient cities like Ephesus, Pergamon and Sardis.

IZMIR INSTITUTE OF TECHNOLOGY

was established in 1992 as the third University in Izmir. There are 115 teaching staff, 403 research assistants, and about 2000 students in the University. The University has Faculties of Science, Engineering and Architecture. The 31st International Vacuum Microbalance Techniques Conference will be held during September 2007 in the Department of Chemical Engineering. The Department has three professors, three associate professors, and 9 assistant professors. The main research areas of the department are interdisciplinary such as materials science, environmental science, biotechnology and energy. Facilities of the Department include FTIR and UV spectrometers, volumetric and gravimetric gas adsorption systems, magnetic suspension balance, thermal analyzers, rheometers, polymer processing equipment.