

Conferences and Meetings

In the Field—Analysis Outside the Laboratory

February 16, 1994, York

Many analysts are called upon to investigate problems, incidents, *etc.*, outside their laboratory. As legislative requirements direct attention to volatile organic compounds and metals throughout the entire environment, this meeting will investigate the potential of a number of newer techniques, whose instrumentation can be used on-site in such investigations. The meeting, will be organized by the Royal Society of Chemistry, Analytical Division, will be held in Wentworth College, University of York.

For further information contact Ms P. J. Elliott, Analytical Division, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN.

Preventing and Managing Emergencies

March, 15–16, 1994, London

This conference is for Directors and Managers of operations and sites for which an emergency or accident could have serious consequences. The event, which will be held in the Forte Crest Bloomsbury Hotel, will cover risk assessment and management, the personnel, economic and environmental liabilities of emergencies, planning for and managing an emergency, as well as to learn from an emergency.

For further details please contact Sarah Ashmore, IBC Technical Services Ltd., Gilmoora House, 57–61 Mortimer Street, London W1N 7TD.

Anatech '94

April 10–13, 1994, Mandelieu la Napoule, France

Anatech 94, the fourth international symposium on analytical techniques for industrial process control, will be held in the Royal Hotel Casino, Mandelieu la Napoule, and will bring together those involved in the research and development and application of these techniques for a critical appraisal of the latest methods. The wide ranging programme is aimed at an interdisciplinary audience of analytical chemists, process and process control engineers. Introductory lectures focusing on industry perspectives and applications of process analytical chemistry, are followed by selected original papers on probes, sensors and fibre optics, separation techniques, spectroscopy and the role of computer models and chemometrics. A round-table discussion on day three will focus on the influence of environmental standards on measurement techniques. An exhibition of relevant products and services will run for the duration of the conference.

Queries should be addressed to Phillipa Orme, Anatech 94 Conference Secretariat, Elsevier Advanced Technology, Mayfield House, 256 Banbury Road, Oxford OX2 7DH.

Analytica 94

April 19–22, 1994, Munich, Germany

The Analytica Conference is sponsored by the largest German professional institutes for chemists and biochemists, the Gesellschaft Deutscher Chemiker (GDCh) and the Gesellschaft für Biologische Chemie (GBCh), together with the faculty of clinical chemistry at the University of Munich. The Analytica Conference, with more than 40 half-day compact symposia, poster-presentations and exhibitors' seminars, represents a practical and realistic forum for technology transfer. The goal of both Analytica 94 and the Conference is to provide the visitor with a sound technical insight into the latest developments in his or her fields of work and interest. These developments are based on the proven synergistic effect between trade fair and conference. That is the secret of Analytica's success since 1968.

The symposia at the 1994 Analytica Conference are divided into three blocks of topics. Block A, organized by the GDCh, is the most relevant for mainstream analytical chemists and will cover: Development trends in high-pressure liquid chromatography; Modern techniques in gas, supercritical fluid, and thin-layer chromatography; applications of capillary electrophoresis; Trace analysis of ultra-pure substances; Laboratory automation and applications of chemometrics; Techniques for including mass spectrometry; Surface microanalysis; Surface analysis on heterogeneous catalysts; Computer networking and applications software; Chemical information systems for analysis and research; Neuronal networks in chemistry; Recent developments in the field of chemosensors and biosensors; Recent developments in food and environmental chemistry; Radioanalysis; Modern developments in NMR spectroscopy; Determining protein structures in solution; Analysis and bioavailability; Focal points in water analysis; Mass spectrometry of macromolecules in medical research and diagnosis; Molecular genetics in biochemical analysis: protein and nucleic acids; Quality control in toxicology; and National monitoring and monitoring systems.

A detailed conference programme and further information are available from November onward from Messe München GmbH, Congress Centre, Messegelände, D-80325 München, Germany.

HPLC '94 Eighteenth International Symposium on Column Liquid Chromatography

May 8–13, 1994, Minneapolis, Minnesota, USA

What is the state of the art for column liquid chromatography, supercritical fluid separations, and capillary zone electrophoresis in 1994? What are the separation challenges for the future? These are the themes that will form the nucleus of HPLC '94 to be held in the Minneapolis Convention Center in Minneapolis, Minnesota. While maintaining the past quality of the HPLC series, the organizing committee has encouraged presentations that will challenge the chromatography community. One example of the challenges will be the changing role of separations in light of recent advances in mass spectrometric ionization and detection technology. Other major symposia include: advances in column packing materials, chiral separations, preparative scale separations, approaches to laser detection and electrochemical detection, the role of separation science in glycobiology, sample preparation, capillary zone electrophoresis, supercritical fluid extraction and chromatography.

A new feature of HPLC '94 will be the addition of Vendor Workshops. The purpose of these presentations is to allow vendors to present the scientific basis of new products. Preliminary topics under consideration include column selection strategies in reversed phase and how to get started in capillary HPLC. Four short courses on chiral separations, capillary zone electrophoresis, HPLC–mass spectrometry, and trouble shooting HPLC systems will be presented prior to the opening of the meeting.

Contact Janet Cunningham at Barr Enterprises (P.O. Box 279, Walkersville, Maryland 21793, USA; phone 301-898-3772; fax 301-898-5596) for registration materials, abstract forms and other information regarding HPLC '94.

Laser Spectroscopy

September 7, 1994, Norwich

Two events next September should be in the diary of anyone with an interest in the practice of application of laser spectroscopy. A symposium entitled Laser Spectroscopy 94, the fourth of an annual series, is to be held on September 7. This series of one-day meetings is hosted each year by the University of East Anglia (UEA). Once again the meeting will provide an overview of the latest developments in laser spectroscopy, with an emphasis on analytical applications. Following an introductory lecture, each of the major areas of laser-based analysis will be addressed in lectures by experts drawn from a wide range of academic and industrial backgrounds. The material is pitched at a level that accommodates those with no prior knowledge of lasers, and the lecture pro-

gramme is to be supplemented by an exhibition of laser and ancillary equipment by major manufacturers.

The other event, which is also to take place at UEA, is a week-long Summer School in Laser Spectroscopy, inaugurally funded by the new Engineering and Physical Sciences Research Council. This in-depth course, which runs from September 4–10, is designed for those involved in research based on laser spectroscopy, and a number of scholarships will be available for postgraduate students to attend. Summer School students will automatically be registered as additional participants for Laser Spectroscopy 94.

Those interested in further details on either of these events should contact Dr. David Andrews at the School of Chemical Sciences, UEA, Norwich NR4 7TJ.

108th AOAC International Annual Meeting and Exposition

September 12–15, 1994, Portland, Oregon, USA

This meeting will be held in the Red Lion Inn, Lloyd Center, Portland, Oregon, USA. For information contact Margaret Ridgell, AOAC International, 2200 Wilson Boulevard, Suite 400, Arlington, Virginia 22201-3301, USA.

International Conference on Molecular Electronics and Biocomputing (ISMEBC)

September 25–30, 1994, Goa, India

This conference, which will be held in the Hotel Majorda and the Goa Penta Hotel, will cover the following topics. Biomimetic and supramolecular chemistry of molecularly designed 'intelligent', 'smart' and 'adaptive' materials, devices and systems. Principles underlying self-assembled or artificially engineered molecular aggregates and architectures: LB films, membranes, conducting polymers, etc. Techniques for studies of electron transfer, molecular interactions, structure and dynamics: STM, AFM, spectroscopy, theoretical simulations, etc. Theory and modelling of molecular sensors and molecular computing systems: Molecular recognition, molecular switching and molecular sensors. Neural and neuromolecular systems: present understanding of learning and memory, how to utilize it in future computer constructions. Materials, nanomanipulations and

devices: molecular, optomolecular and photonics, biomedical and industrial applications. The deadline for abstract submission is March 15, 1994.

Address for more information and abstract submission: Dr. Ratna Phadke, Chemical Physics Group, Tata Institute of Fundamental Research, Bombay 400 005, India.

Food and Feed Analysis

September 20–30, 1994, Nyon, Switzerland

This meeting of AOAC International's Europe Section will be a focus on methods with mineral hazards to health and environment. For information contact Dr. T. Rihs, Swiss Federal Research Station for Animal Production, CH-1725, Posieux, Switzerland.

FACSS 21

October 2–7, 1994, St. Louis, MO, USA

The Twenty-first Annual Conference of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) will be held in the Cervantes Convention Center, St. Louis. The deadline for submission of titles and a preliminary 100 word brief is March 21, 1994. For further information, please contact FACSS, 198 Thomas Johnson Drive, Suite S-2, Frederick, MD 21702-4317, USA.

Anabiotec '94: 5th International Symposium on Analytical Methods, Systems and Strategies in Biotechnology

October 31–November 2, 1994, Minneapolis, MN, USA

Anabiotec '94, the 5th symposium in the series, will be held in the Minneapolis Hilton and Towers, USA. Since its inception Anabiotec has acted as a forum for the appraisal of new and exciting research developments in the analytical chemistry of biological systems. Anabiotec '94 is a three day event consisting of plenary sessions, selected original papers, posters and an exhibition. Topics scheduled for discussion include: new instruments and techniques for analytical biochemistry; monitoring of industrial scale processes such as fermentation technology; and strategies for clinical diagnosis, including biosensor formats.

Queries should be addressed to Anabiotec Conference Secretariat, Elsevier Ad-

vanced Technology, Mayfield House, 256 Banbury Road, Oxford OX2 7DH.

1995 Winter Conference on Plasma Spectrochemistry

January 8–13, 1995, Cambridge

In this week long meeting, recognized world authorities provide overviews on both current trends and on future directions in plasma spectrochemical analysis by inductively coupled plasma (ICP), d.c. plasma (DCP), microwave plasma (MIP) and glow discharge (GD) techniques. Plenary invited and submitted lectures, as well as posters, cover all important aspects of both fundamental and applied science. A selection of highly focused short courses are also a feature of this meeting as well as stimulating discussion sessions chaired by recognized experts from around the world. Additionally, there are opportunities to discuss the latest analytical developments from the principal instrument manufacturers and ancillary suppliers. The conference will be based upon a single lecture stream featuring five plenary and five invited speakers. Symposia will include the following topics: Sample introduction phenomena; Glow discharge techniques; Fundamental plasma processes; Sample preparation and handling; Elemental speciation; Plasma source mass spectrometry; and Laser Sampling techniques.

Papers should discuss original and previously unpublished work. Titles should be submitted using the attached form, by June 30, 1994. Abstracts (200 words) must be received by September 30, 1994. Authors will be informed by the end of July of their acceptance of papers and also the final format of the presentation. Contributed papers will be presented in both lecture and poster sessions. Lectures will last fifteen minutes with an additional five minutes devoted to open discussion. Timings will be strictly adhered to and open discussion will be positively encouraged. Posters will be on display for a day with authors being required to be in attendance during the formal poster session.

Further information is available from Janice M. Gordon, Winter Conference on Plasma Spectrochemistry, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF.