
FARADAY DIVISION INFORMAL AND GROUP MEETINGS

*Division with the Institute of Physics***11th National Quantum Electronics Conference**

To be held at Queen's University, Belfast on 30 August to 1 September

Further information from Dr S. Swain, David Bates Building, Queen's University, Belfast BT7 1NN

*Division with the Institute of Physics***Sensors and their Applications VI**

To be held in Manchester on 12–15 September 1993

Further information from Ms J. Butler, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX

*Surface Reactivity and Catalysis Group***1st European Congress on Catalysis**

To be held in Montpellier, France on 12–17 September 1993

Further information from Dr G. McDougall, Department of Chemistry, University of Edinburgh, West Mains Road, Edinburgh EH9 3JJ

*Polymer Physics Group***Physical Aspects of Polymer Science**

To be held at the University of Reading on 15–17 September 1993

Further information from Dr M. J. Richardson, Division of Materials Metrology, The National Physical Laboratory, Queens Road, Teddington TW11 0LW

*Colloid and Interface Science Group***Kinetics of Phase Growth**

To be held at the University of Hull on 20–21 September 1993

Further information from Dr I. D. Robb, Unilever Research, Port Sunlight Laboratory, Quarry Road East, Bebington, Wirral, L63 3JW

*Gas Kinetics Group***Elementary Reactions Including State Selected Processes**

To be held at the University of Nottingham on 20–21 September 1993

Further information from Dr M. Brouard, Department of Chemistry, University of Nottingham, University Park, Nottingham, NG7 2RD

*Polar Solids Group with UMIST***Solid State Chemistry and Superconductivity Conference II**

To be held at UMIST, Manchester on 20–22 September 1993

Further information from Dr W. R. Flavell, Department of Chemistry, UMIST, PO Box 88, Manchester M60 1QD

*Division***Autumn Meeting: Structural Investigations using Solid State NMR**

To be held at the University of Warwick on 21–23 September 1993

Further information from Dr J. F. Gibson, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN

*Neutron Scattering Group with Colloid and Interface Science Group***Neutron Studies of Colloidal Materials**

To be held at the Institute of Physics, London on 17 October 1993

Further information from Dr A. Rennie, Polymers and Colloid Group, The Cavendish Laboratory, Madingley Road, Cambridge CB2 0HE

*Colloid and Interface Science Group***Dynamics of Surfactant Monolayers**

To be held at the Scientific Societies Lecture Theatre, London on 17 December 1993

Further information from Dr P. Fletcher, Department of Chemistry, The University, Hull HU6 7RX

*High Resolution Spectroscopy Group with Molecular Beams and Dynamics Group***Title to be announced**

To be held at the University of Wales College of Cardiff on 19–21 December 1993

Further information from Dr T. P. Softley, Physical Chemistry Laboratory, South Parks Road, Oxford OX1 3QZ

*Gas Kinetics Group with Atmospheric Chemistry Group of the Royal Astronomical Society***Atmospheric Chemistry**

To be held at the University of Cambridge on 7 January 1994

Further information from Dr R. A. Cox, NERC Polaris House, North Star Avenue, Swindon SN2 1ET

*Division***Annual Congress: The Reactive Interface in Electrochemistry and Catalysis**

To be held at the University of Liverpool on 12–15 April 1994

Further information from Dr J. F. Gibson, The Royal Society of Chemistry, Burlington House, Piccadilly, London W1V 0BN

*Gas Kinetics Group***13th International Symposium on Gas Kinetics**

To be held at University College, Dublin on 11–15 September 1994

Further information from Dr H. Sidebottom, Department of Chemistry, University College, Dublin

ROYAL SOCIETY OF CHEMISTRY

NEW AND RECENT PUBLICATIONS

Surfactants in Lipid Chemistry:

Recent Synthetic, Physical, and Biodegradative Studies

Edited by: J. H. P. Tyman, *Brunel University*

The great majority of surface active compounds having 'lipidic' character are either semi-synthetic or derived from fossil fuel sources. The contribution from lipid raw materials has increased over the past four decades and both sources are now recognised as essential. **Surfactants in Lipid Chemistry: Recent Synthetic, Physical, and Biodegradative Studies** contains contributions dealing with a variety of natural product, semi-synthetic and purely synthetic materials. The topics covered include the place of lipid natural resources in the synthesis of surfactants, both by organic chemical methodology and by enzymatic procedures, aspects of the physical properties of non-ionic and certain anionic surfactants and their involvement in detergency, and current knowledge of the biodegradation of anionic surfactants in the environment. Recent progress in phenolic glycolipid and lipid amino acid chemistry is also described. This book will be of interest to all those concerned with modern surfactant chemistry.

Special Publication No. 118

Hardcover viii + 184 pages
ISBN 0 85186 395 7 Price £39.50
December 1992

NEW

Catalysis and Surface Characterisation

Edited by: T.J. Dines, *University of Dundee*

C.H. Rochester, *University of Dundee*

J. Thomson, *University of Dundee*

Catalysis and Surface Characterisation documents the latest research in the field within the UK and EC and focuses mainly on spectroscopic methods, although other techniques are included. The book reports many novel investigations and as such represents the state-of-the-art in catalyst characterisation.

In the past three decades heterogeneous catalysis has developed from methodology largely relying upon trial and error into a science embracing diverse aspects of chemistry and physics. Central to this progress have been the advances in spectroscopic and other techniques, which have led to a better understanding of surfaces. Industrial applications have provided the major impetus for the improved understanding of catalysts that has resulted from surface characterisation; thus most of the catalysts described in this book are of current industrial importance.

Catalysis and Surface Characterisation brings together in a single volume a broad cross section of the current activity in the field and is the first book to be published on the subject in the UK for some years. It is a must for researchers in both industry and academia, and will bring them up-to-date on this topic of major industrial concern.

Special Publication No. 114

Hardcover x + 292 pages
ISBN 0 85186 335 3 Price £47.50
November 1992

NEW

Industrial Applications of Surfactants III

Edited by: D.R. Karsa, *Harcros Chemicals (UK) Ltd, Manchester*

This new publication continues the theme of the two previous publications of this name and presents practical descriptions of various surfactants and their applications. Each volume contains new and additional information to the former, creating a library of invaluable and complementary information on the subject.

Industrial Applications of Surfactants III explores several new areas such as oligomeric/polymeric surfactants. It discusses newer species such as the alkyl polyglycosides, alkyl pyrrolidones and betaine esters and assesses more conventional surfactants such as alkyl benzene sulphonates, amine ethoxylates and imidazolines. This introductory level volume places an emphasis on practical applications and will enable development chemists and formulators to identify products to meet their specific needs. It will also provide them with much needed information on recent innovative developments in the field.

Special Publication No. 107

Hardcover viii + 278 pages
ISBN 0 85186 227 6 Price £47.50
August 1992

NEW

Chemicals in the Oil Industry: Developments and Applications

Edited by: P.H. Ogden, *Akzo Chemie UK Ltd*

This book documents recent developments and environmental issues affecting the oil industry and looks at significant advances in the application of chemicals in oil production. Areas covered include drilling, stimulation, production, transportation and refining.

Many of these developments have resulted from environmental pressures which have demanded changes both in operating procedures and in the final product produced, as well as from collapsed oil prices – the industry is no longer as profitable as it once was. Consequently a portion of the book is devoted to an analysis of recent market changes and suggests possible future trends.

Special Publication No. 97

Hardcover x + 354 pages
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January 1992

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