The Structure, Dynamics and Equilibrium Properties of Colloidal Systems

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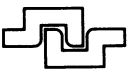

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The Structure, Dynamics and Equilibrium Properties of Colloidal Systems

edited by

D. M. Bloor

and

E. Wyn-Jones

Department of Chemistry and Applied Chemistry,
University of Salford,
Salford, U.K.

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CONTENTS

PREFACE

The papers in this volume are as a result of contributions given at the NATO Advanced Study Institute held at Llandinam Building, University College of Wales, Aberystwyth, 10 - 23 September 1989. The Institute considered the physical and chemical properties of a variety of colloidal systems ranging from simple micellar solutions to concentrated colloidal dispersions. The purpose of the NATO Advanced Study Institute was to create a forum so that research scientists working in different areas concerned with colloid science could interact. The emphasis of the contributions were on the interpretation of the different experimental and theoretical approach to give information on the structure, dynamics and equilibrium properties of these systems. The application of several different techniques in colloid science have been described; new developments and perspectives have been covered by several authors. The present volume reviews the current state of the art in this area and it is hoped that it will be used as an incentive for further studies particularly with reference to new areas of research.

In the organisation of the scientific programme for the NATO meeting we would like to acknowledge the assistance of Professors J. Lyklema, D.G. Hall and J. Holzwarth. We wish to thank Miss Mandy Rudd for all the secretarial assistance in setting up the meeting and for the invaluable assistance in preparing the manuscripts. In connection with the proceedings we would also like to thank Miss Sandra Fahy for assistance. The help of Paul Jones and Mrs G. Wyn-Jones during the meeting is also gratefully acknowledged. We would also like to express our deepest gratitude to the NATO Science Division for the award of the grant which enabled the meeting to be held. Last but not least we are grateful for financial assistance from Unilever Ltd, B.P., I.C.I., and Harcross Chemicals.