

BASEL



# Third European Colloid and Interface Society Conference ILL Workshop

Structure and Dynamics of Colloidal Systems  
Scientific and Industrial Aspects

September 19-22, 1989  
Roche Congress Center, Basel, Switzerland

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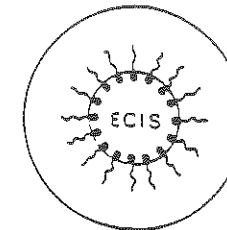
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Third European Colloid and Interface Society Conference  
and  
ILL Workshop  
on

**STRUCTURE AND DYNAMICS OF COLLOIDAL SYSTEMS**  
Scientific and Industrial Aspects

19-22 September 1989  
Roche Congress Center, Basel

**P R O G R A M**

**Monday, 18.9.89**

1700-2000 Welcome-Apéro  
Foyer of the Roche Congress Center  
F. Hoffmann-La Roche & Co  
Hochhaus, Grenzacherstrasse 124

Tuesday, 19.9.89

0900-0920 Opening

0920-1000 R.H. Ottewill, The application of scattering methods to colloidal systems

*Micelles & Mesophases*

1000-1040 J. Charvolin, Crystals of fluid films in systems of amphiphiles

Coffee break

1100-1120 M. Almgren, Diffusion-controlled deactivation of triplet and singlet excited states in micelles and liquid crystalline phases

1120-1140 J. Appell, Polymorphism in dilute scattering solutions: a neutron scattering study

1140-1200 A.M. Bellocq, Experimental evidence for bicontinuous structure in  $L_3$  phases

1200-1220 P. Schurtenberger, Structure and dynamics of polymerlike reverse micelles

1220-1240 L. Cantù, Mixed micelles of gangliosides

1300 Lunch

*Microemulsions*

1400-1440 T. Zemb, Scattering as a critical test of microemulsion models

1440-1500 S.-H. Chen, Experimental evidence for a structural inversion across the one-phase channel in AOT/brine/decane microemulsions

1500-1520 B.P. Binks, Structure and dynamics in nonionic surfactant/oil/water mixtures

1520-1540 J.C. Eriksson, Thermodynamics of size-fluctuating microemulsion droplets

1540-1600 C. Toprakcioglu, SANS study of polymer-containing microemulsions

Coffee break

1600-1800 Posters (1st session)

2000 Conference dinner

Wednesday, 20.9.89

*Dynamics*

- 0900-0940 B. Farago, Microemulsion shape fluctuation measured by neutron spin echo  
0940-1000 L. Magid, Control of curvature in w/o microemulsion: the AOT Kryptofix couple  
1000-1020 P. Meléard, Bending elasticity of fluctuating giant vesicles

Coffee break

- 1100-1140 J.S. Huang, Electric and dynamic percolation in an inverted microemulsion system  
1140-1200 S.F. Schulz, Dynamic light scattering on liquid-like polyelectrolyte solutions  
1200-1220 S.F. Candau, Rheological and kinematic properties of semidilute solutions of elongated micelles  
1220-1240 H. Hoffmann, Diffusion of latex particles in viscoelastic surfactant solutions

1300 Lunch

- 1400-1420 E. Sackmann, Molecular dynamics in lipid bilayer membranes  
1420-1440 V. Degiorgio, Light-scattering and electric-birefringence experiments on anisotropic colloidal particles  
1440-1500 B.U. Felderhof, Hydrodynamic interactions in suspensions with periodic boundary conditions

*Colloidal Systems under Non-equilibrium Conditions*

- 1500-1540 S. Hess, Shear-flow induced structural changes

Coffee break

- 1600-1640 J. Kalus, Time-dependent SANS measurements of aligned micelles  
1640-1700 P. Lindner, Drag reducing surfactant solutions investigated by SANS  
1700-1720 C.G. de Kruif, Structure factor distortions in sheared concentrated dispersions  
1720-1740 C. Mathis, Field-induced structure in polystyrene suspensions

1800 General Assembly of ECIS

Thursday, 21.9.89

*Additives to Colloids & Applications*

- 0900-0940 C. Taupin, Flocculation of dispersions of silica particles by adding mineral polymers  
0940-1000 J.-C. Ravey, Macrostructure of petroleum asphaltenes by SANS  
1000-1020 R. Schomäcker, Application of microemulsions in organic synthesis
- Coffee break
- 1100-1120 S. Szönyi, Modification of water-soluble polymers constituting multipurpose fire-fighting foams by fluorinated agents  
1120-1140 J. Szymanowski, Adsorption of 5,8-diethyl-7-hydroxydodecane-6-oxime at the toluene/water interface & the rate of copper extraction  
1140-1200 C. Solans, Lipoaminoacid surfactants: phase behaviour of long chain n-acyl arg methyl esters  
1200-1220 O. Glatter, Activation studies on human platelets using electrophoretic and quasielastic light scattering  
1220-1240 M. Horisberger, Quantitative aspects of labelling colloidal gold with proteins in immunocytochemistry

1300 Lunch

*Aggregates, Ordering, Structural Transitions*

- 1400-1440 R. Klein, Theory of colloidal aggregates  
1440-1500 E. Pefferkorn, Dynamics of latex aggregation; Modes of cluster growth  
1500-1520 A. Vrij, Scattering properties of lyophilic silica particles in nonpolar solvents; effects of attraction forces  
1520-1550 F. Lafuma, Floc structures

Coffee break

1600-1800 Posters (2nd session)

Friday, 22.9.89

- 0900-0940 B. Cabane, Ordering of particles in latex films  
0940-1000 N. Pistor, Two-component Yukawa systems; model for colloidal glasses  
1000-1020 J.M. Seddon, Structural studies of phospholipid cubic phases

Coffee break

*Films, Membranes, Surfaces & Wetting*

- 1100-1140 F. Rondelez, Polymer adsorption at interfaces  
1140-1200 J. Penfold, The use of specular reflection of neutrons to study surfaces and interfaces  
1200-1220 <sup>Thomas</sup> E. Lee, The structure of the surface of a surfactant solution above its cmc by neutron reflection  
1220-1240 L.T. Lee, Film bending elasticity in micro-emulsions made with nonionic surfactants
- 1300 Lunch
- 1400-1420 <sup>Strey</sup> M. Kahlweit, Wetting in mixtures of water and nonionic amphiphiles and in mixtures of water, oil and nonionic amphiphiles  
1420-1440 R. Winter, High pressure phase transitions of phospholipid model biomembranes  
1440-1500 R. Rolandi, Photovoltages through bilayer lipid membranes incorporating cadmium sulphide particles  
1500-1520 R.P. Hjelm, SANS from aqueous mixed colloids of lecithin and bile salts

Coffee break

- 1600-1620 <sup>Thomas</sup> R.J. Crawford, Measurement of the Stern layer in n-butylammonium vermiculite gels  
1620-1640 R. Zana, Aggregation in aqueous solutions of polysoaps  
1640-1700 A. Malliaris, Some aspects of fluorescence quenching as applied to the study of organized molecular assemblies  
1700-1720 A. Wokaun, Characterization of colloidal systems by surface enhanced Raman scattering (SERS) and optical spectroscopy
- 1720-1730 Closing address

#### PUBLICATION OF CONTRIBUTIONS

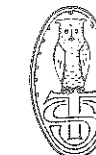
The contributions to this Conference will be published as Volume 82 of *Progress in Colloid & Polymer Science*, with M. Zulauf (Basel), P. Lindner and P. Terech (Grenoble) acting as guest editors in the team of Dr. Dietrich Steinkopff Verlag, Darmstadt (FRG). Please help us do our job efficiently by sending your manuscript as early as possible - before October 15, 1989 - to M. Zulauf, c/o F. Hoffmann-La Roche AG, ZFE 65-509, CH-4002 Basel, Switzerland, Tel. 41 61 688 5746, Telefax 41 61 691 9391. Thank you!

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- \* Please do not exceed 15 pages. This is inclusive of all typewritten text pages, figures, tables, legends and references.
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- \* At the end of the reference list please write the full name, title and address of the author to whom correspondence should be directed.
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- \* Mathematical and chemical symbols, equations and formulae must be typed.
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### References

These must be cited in the text with numerals, e. g. [2], [3,7,8] and numbered consecutively in the order of textual appearance. Please compile the references on a separate sheet at the end of the paper. Abbreviations of journals should conform to CHEMICAL ABSTRACTS.

Examples:

1. Scheerer K, Wilke W (1987) Colloid Polym Sci 265:205-209
2. Rico I, Lattes A (1987) In: Rosano H, Clausse M (eds) Microemulsion systems. Marcel Dekker, New York, pp 341-369

### Tables

These must be typed on separate sheets and numbered with arabic numerals. They must have a short heading at the top. Please indicate the preferred placement of the tables in the margin of the paper.

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The number and size of figures must be kept to the minimum required for clarification.

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