

SEMINARS

Professor Mitsuo Sawamoto
Graduate School of Engineering, Kyoto University, Kyoto,
Japan
"Living Radical Polymerization: Recent Advances"
Monday 12 January 1998

Professor Roger McMacken
Department of Biochemistry, School of Hygiene and
Public Health, Johns Hopkins University, USA
"The Role of Molecular Chaperones in the Initiation of
Bacteriophage Lambda DNA Replication"
Monday 19 January 1998

Professor Jean-Pierre Majoral
CNRS, Toulouse, France
"Phosphorus Containing Dendrimers; a New Class of
Macromolecules"
Tuesday 20 January 1998

Professor Mitsuru Akashi
Faculty of Engineering, Kagoshima University,
Kagoshima, Japan
"Synthesis of Polystyrene-Nanosphere with Functional
Surface by Macromonomer Polymerization Technique"
Wednesday 21 January 1998

Dr. Marie-Emmanuelle Couprie
LURE, Centre Universitaire de Paris-Sud, FRANCE
"The Super-ACO Free Electron Laser Source in the UV"
Friday 23 January 1998

Professor Ivan K. Schuller
University of California, San Diego, USA
"Exchange Interaction between Magnetic Layers"
Wednesday 28 January, 1998

Professor Mitsuo Takai
Hokkaido University, Japan
"Biosynthesis and Molecular Structure of Cellulose"
Wednesday 28 January 1998

Professor Masayoshi Watanabe
Faculty of Engineering, Yokohama National University,
Japan
"Ion Dynamics in Polymer Matrix and Polymer Solid
Electrolytes"
Friday 30 January 1998

Professor Michiya Fujiki
NTT Basic Research Laboratories, Japan
1. "One Dimensional Self-Assemblies of Optically
Inactive and Optically Active Phthalocyanine Derivatives:
Molecular Design, Structure and Properties"
2. "Inversion of Helicity of Optically Active Synthetic
and Biological Polymers"
Friday 30 January 1998

Dr Yuichi Shimakawa
NEC
"Pyrochlore and Spinel Mangan Oxides
-Synthesis, Structure, GMR and Secondary Battery-"
Thursday 5 February 1998

Professor Toshio Yamaguchi
Department of Chemistry, Faculty of Science, Fukuoka
University, Japan
"Structure of Hydrogen-Bonding Liquids and Solutions
at Sub- and Super-Critical Conditions"
Thursday 10 February 1998

Professor Gustaff Van Tendeloo
EMAT University of Antwerp
"Better superconducting materials by TEM"
Tuesday 10 February 1998

Professor Wolfgang Krätschmer
Max-Planck Institute for Solid Physics, Heidelberg,
Germany
"Fullerene Research in Heidelberg"
Monday 16 February 1998

Professor Takashi Odagaki
Department of Physics, Faculty of Science
Kyushu University, Japan
"Theory and Scenario of Glass Transition"
Friday 27 February 1998

Dr. King Y Ng
Fermi National Accelerator Laboratory, USA
"Dynamics of the barrier bucket and its application"
Friday 27 February 1998

Professor M. Hara
Department of Chemical and Biochemical Engineering,
Rutger University, USA
"Effects of Ionic Interactions on Mechanical Properties
of Polymers and Polymer Blends/Composites"
Monday 16 March 1998

Professor Yoshinobu Isono
Faculty of Engineering, Nagaoka University of
Technology, Japan
"Non-linear Viscoelasticity and Structural Change in
Entanglements for Concentrated Polymer Solution
Systems"
Tuesday 17 March 1998

Professor Peter A. Grünberg
Forschungszentrum Jülich, Germany
"Layered Magnetic Structures in Research and
Application"
Friday 20 March, 1998

Professor Joanna Strosznajder
Laboratory of Cellular Signaling, Polish Academy of
Sciences, Medical Research Center, Poland
"Effect of Alzheimer's Disease-Related Amyloid β
Peptides on Calcium and Phosphoinositides Signaling in
Brain Cortex"
Monday 23 March 1998

Professor Ben L. Feringa
Department of Chemistry, University of Groningen, The
Netherlands

“Chiroptical Molecular Switches”
Wednesday 25 March 1998

Professor Philip Boudjouk
North Dakota State University, U.S.A.
“Silole Chemistry: Anions and Nucleophilic Substitution at Silicon”
Thursday 26 March 1998

Professor Antoine Kahn
Princeton University, USA
“Electronic Properties of Interfaces of Organic Molecular Semiconductors with Application to Electroluminescent Devices”
Wednesday 1 April 1998

Professor Franoire Brochard-Wyart
University of Paris VI, Paris, France
“Wetting by Polymer Solutions”
Tuesday 7 April 1998

Professor Pierre Gilles de Gennes
College de France, Paris, France
“Artificial Muscle”
Tuesday 7 April 1998

Professor Wei-Min Dai
Hong Kong University of Science and Technology
“Recent Progress in Asymmetric Wittig Reaction of Chiral Arsonium Ylids and Regioselective Allylic Rearrangement for Ene-yne Synthesis”
Thursday 9 April 1998

Professor Dieter Richter
Institut für Festkörperforschung, Forschungszentrum Jülich GmbH, Jülich, Germany
“Polymer Dynamics at Short and Long Length Scales”
Thursday 23 April 1998

Professor Robert West
University of Wisconsin, Madison, U.S.A.
“Cyclic Organosilicon Compounds with “Aromatic” Properties”
Friday 24 April 1998

Professor Hiroshi Kihara
Kansai Medical University
“Protein Folding Under Sub-zero Temperature”
Monday 2 May 1998

Dr. Manabu Ishitani
Department of Plant Sciences, University of Arizona, Tucson AZ 85721 USA
“COS-, HOS- and LOS-Genes Regulating Plants Responses to Salt, Water and Temperature Stresses”
Monday 5 May 1998

Professor Vesselin Vassilev Dimitrov
Nagaoka University of Technology
“Polarizability, Optical Basicity and Nonlinear Optical properties of Simple Oxides”
Thursday 14 May 1998

Professor Seizou Miyata

Graduate School of Bio-Applications & Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, Japan
“Conducting Polymers and Organic Electroluminescence Devices”
Friday 8 May 1998

Professor Wolfgang Kreis
Dept. of Pharmaceutical Biology, Erlangen-Nuremberg University, Germany
“Cardenolide Biosynthesis and Biotransformation in Digitalis and Isoplexis”
Monday 11 May 1998

Professor M. David Curtis
University of Michigan, U.S.A.
“Properties of New Conjugated Polymers Based on Bithiazoles, Bisoxazoles and Furans”
Monday 25 May 1998

Professor Minoru Terano
School of Material Science, Japan Advanced Institute of Science and Technology, Japan
“Catalyst for Polymerization of Olefins: Industrial Developments and Fundamental Research”
Tuesday 26 May 1998

Dr. Toru Tanimori
Department of Physics, Tokyo Institute of Technology
“Development of 2D MicroStrip Gas Chamber as a Time-resolved Area Detector”
Friday 29 May 1998

Professor Kenneth S. Schweizer
Department of Materials Science and Engineering
University of Illinois, USA
“Structure, Phase Behavior, and Diffusion in Diblock Melts and Solutions”
Monday 1 June 1998

Professor Rufina G. Alamo
Florida Agricultural & Mechanical University, The Florida State University, USA
“Crystallization, Morphology and Melting Behavior of Polypropylenes”
Tuesday 2 June 1998

Professor Redouane Borsali
Cermav-CNRS, Grenoble, France
“Structure and Dynamics of Polyelectrolyte Solutions: Light and Neutron Scattering Experiments”
Thursday 4 June 1998

Professor Gerhard Wegner
Max-Planck-Institute for Polymer Research, Mainz, Germany
“Novel Architectures of Polyelectrolytes and Ionic Conductors”
Friday 5 June 1998

Professor Jean-Michel Guenet
Laboratoire d'Ultrasons et de Dynamique des Fluides Complexes Université Louis Pasteur, France
“Thermoreversible gelation of PVC: the mechanisms involved and their impact on rheological properties”

Monday 8 June 1998

Professor Herbert Dautzenberg
Max-Planck-Institut für Kolloid und
Grenzflächenforschung Teltow-Seehof, Germany
“Polyelectrolyte Complex Formation in Highly
Aggregating Systems”
Tuesday 9 June 1998

Professor Long Y. Chiang
Center for Condensed Matter Sciences, National Taiwan
University, Taipei, Taiwan
“Synthesis of Star-burst Conductive Conjugated Polymers
Based on Reactive Polyfunctional C₆₀ Precursors”
Thursday 11 June 1998

Professor Yasuhiko Shirota
Department of Material Chemistry
Faculty of Engineering, Osaka University, Japan
“Photo-electric Functional Materials and Applications to
Devices”
Monday 6 July 1998

Dr. Ian. L. Hosier
J. J. Thomson Physical Laboratory, University of Reading,
Reading, UK
“Chemical Etching Procedure”
Tuesday 14 July 1998

Dr. Takeichiro Yokoi
High Energy Accelerator Research Organization (KEK)
Tanashi
“Next generation secondary beamline for JHF”
Thursday 20 August 1998

Dr. Touru Kamata
Laboratory of Biochemical Physiology
National Cancer Institute, USA
“Regulation of the Ras Signaling Pathway and Its Role in
the Generation of Reactive Oxygen Species”
Wednesday 2 September 1998

Dr. Augusto Lombardi
Laboratori Nazionali di Legnaro, Istituto Nazionale di
Fisica Nucleare, (INFN-LNL), Italy
“PIAVE: the new positive ion injector at Legnaro”
Wednesday 2 September 1998

Professor Andreas Hirsch
Department of Organic Chemistry, University of Erlangen,
Erlangen, Germany
“Buckminsterfullerene as Building Block for New
Macromolecular and Supramolecular Nanostructures”
Friday 4 September 1998

Professor H. Henning Winter
Department of Chemical Engineering, University of
Massachusetts at Amherst, USA
“Conoscopic Observation of Shear Introduced Rotation
of Liquid Crystalline Molecules”
Monday 7 September 1998

Professor Ronald G. Larson
Department of Chemical Engineering, University of
Michigan, USA

“Single Molecule Hydrodynamics of Long DNA
Molecules”
Thursday 10 September 1998

Professor Yves Rubin
Department of Chemistry and Biochemistry, University
of California, Los Angeles, Los Angeles, U.S.A.
“Highly Unsaturated Compounds on the Way to Fullerenes
and Their Endohedral Metal Complexes”
Saturday 12 September 1998

Dr. Masahiro Okamura
The Institute of Physical and Chemical Research
“Helical Dipole Magnets for RHIC”
Wednesday 30 September 1998

Professor Ajay Gupta
Inter University Consortium for DAE Facilities, India
“Effects of the Interface Structure on the Magnetic
Properties of Metallic Multilayers”
Thursday 1 October, 1998

Dr. Robert V. Law
Department of Chemistry, Imperial College, UK
“Solid-State NMR Studies of Highly Crosslinked
Polymers”
Friday 2 October 1998

Professor Gregory Soh-Yu Yeh
Department of Chemical Engineering and Polymer
Physics, The University of Michigan, Michigan, USA
“Polymer Structure: Melt, Glass vs. Crystallized State”
Friday 2 October 1998

Professor Klaus Jurkschat
University of Dortmund, Germany
“On the Chemistry of Stannasiloxanes”
Monday 5 October 1998

Professor Kwang-Sup Lee
Chemistry Division, Materials Chemistry Branch, Naval
Research Lab., USA
“Highly Efficient and Thermally Stable Nonlinear Optical
Materials”
Friday 9 October 1998

Dr. Rajai H. Atalla
USDA Forest Service, Forest Products Laboratory, USA
“Biogenesis of wood cell walls”
Friday 18 October 1998

Dr. Kenji Oeda
Biotechnology Laboratory, Sumitomo Chemical Co., Ltd.,
Takarazuka, Japan
(1) “Variation of G box (CACGTG) Sequences and
Control of Gene Expression”; (2) “Adaptive Responses
to Strong Light Stress”; (3) “Progress in Commercial
Transgenic Plants”
Monday 19 October 1998

Dr. Jean Claude Wittmann
Institut Charles Sadron, CNRS-ULP, France
“Orientation of Monomers, Oligomers and Polymers on
Friction-Transferred Poly(tetrafluoroethylene) Layers”
Monday 19 October 1998

Professor M. A. Bennett
University of Australia, Australia
“Cyclometallated Triphenylphosphine: a Versatile Ligand”
Tuesday 20 October 1998

Professor Naoto Nagaosa
Department of Applied Physics, The University of Tokyo
“Spin, Charge and Orbital”
Saturday 24 October 1998

Professor Hiroo Hashizume
Tokyo Institute of Technology, Japan
“Magnetic Structures of Fe/Gd Multilayers Studied by Resonant X-Ray Scattering”
Friday 30 October, 1998

Prof. Eberhard Jaeschke
Berliner Elektronenspeicherring Gesellschaft fuer Synchrotronstrahlung mbH (BESSY), Germany
“BESSY-II, the High Brightness Source in operation -- Commissioning experience and Future plans”
Friday 30 October 1998

Professor Yasuhiro Takahashi
Faculty of Science, Osaka University, Japan
“Structural Irregularity of Crystalline Polymers”
Friday 30 October 1998

Dr. Yoshiaki Mizuno
Institute for Materials Research, Tohoku University
“Superexchange Coupling of 90° Bond System-Li₂CuO₂-”
Monday 2 November 1998

Professor Mark D. Ediger
Department of Chemistry
University of Wisconsin, USA
“Special Inhomogeneity of Super-Cooled Liquids”
Thursday 5 November 1998

Professor Lech Thomas Baczewski
Institute of Physics, Polish Academy of Sciences, Poland
“Structural and Magnetic Properties of RE(Gd/Tb) Thin Films”
Friday 6 November, 1998

Professor Samuel D. Bader
Argonne National Laboratory, USA
“Study of Surface Magnetism using Surface Magneto-Optical Kerr Effect (SMOKE)”
Tuesday 10 November, 1998

Professor Yuri Feldman
Hebrew University of Jerusalem, Israel
“Cooperative Relaxation of Water Confined at Porous Glasses”
Monday 16 November 1998

Professor Ernst Bauer
Arizona State University, USA
“Spin-Polarized LEEM Studies of Thin Co Film Systems”
Tuesday 17 November, 1998

Dr. Derck Schlettwein

Institute of Applied and Physical Chemistry,
University of Bremen, Germany
“Influence of Molecular Structure on Thin Film Growth, and Electrical Properties of Substituted Phthalocyanines”
Tuesday 17 November 1998

Professor Yoshiharu Tsujita
Nagoya Institute of Technology, Nagoya, Japan
“Sorption, Diffusion, and Permeation of Gases in Polymeric Membrane”
Thursday 19 November 1998

Professor Nagao Kobayashi
Tohoku University, Japan
“Effects of Size, Symmetry and Substitution on Spectroscopic and Electrochemical Properties of Phthalocyanines”
Thursday 19 November 1998

Dr Bruce Normand
Institute of Physics, University of Basel
“Two-band Superconductivity in the Doped Spin Ladder La_{1-x}Sr_xCuO_{2.5}”
Friday 20 November 1998

Dr. Hisaaki Taniguchi
Division of Biomedical Polymer Science, Institute for Comprehensive Medical Science, Fujita Health University
“What does 'Dalton' talk? Applications of Mass Spectrometry to Structural Analysis of Biopolymers”
Tuesday 24 November 1998

Dr. Yoshihide Fukahori
Materials Development Department, Bridgestone Corporation, Japan
“Non-linear Creep Phenomena in Polymers”
Friday 27 November 1998

Professor Peter J. Rossky
University of Texas, Austin, USA
“Ionic Solvation in Supercritical Water: Structural, Thermodynamic, and Transport Properties”
Monday 7 December 1998

Professor Peter Kralchevsky
Faculty of Chemistry, Sofia University, Bulgaria
“Thermodynamics and Hydrodynamics of Thin Liquid Films”
Wednesday 9 December 1998

Dr. Grahame Rees
Rutherford Appleton Laboratory, England
“Revised Designs for the Linac and Rings of the European Spallation Neutron Source”
Friday 11 December 1998

Dr. Masafumi Harada
KU-VBL, Kyoto University, Japan
“Structural Analysis of Transition Metal Clusters Using EXAFS, SAXS, and DFT”
Wednesday 11 November 1998

Dr. Yoshihide Fukahori
Materials Development Department, Bridgestone Corporation, Japan

“Tribology of Polymers (Friction and Wear)”
Friday 11 December 1998

Dr. Eugene V. Koonin
National Center for Biotechnology Information
“Protein Fold Recognition using Sequence Profiles and
Phylogenetic Distribution of Protein Folds”
Monday 14 December 1998

Professor Masayasu Inoue
First Department of Biochemistry
Osaka City University School of Medicine
“Reactive Oxygen and Biocurrent”
Monday 14 December 1998

Dr. Toshio Kokubo
Research Center Kyoto, Bayer Yakuhin, Ltd.
“Improvement of Enzymes by Evolutionary Molecular
Engineering”
Tuesday 15 December 1998

Professor Robin K. Harris
Department of Chemistry, University of Durham, UK
“Recent NMR developments for solid fluorinated organic

compounds and solid fluoropolymers”
Thursday 16 December 1998

Professor Masakatsu Misawa
Department of Chemistry, Faculty of Science, Niigata
University
“Basis of Neutron Scattering Spectroscopy of Fluids”
Monday 21 December 1998

Professor Masakatsu Misawa
Department of Chemistry, Faculty of Science, Niigata
University
“Neutron Scattering Study of the Phase Separation of
Solutions and the Structure of Supercritical Fluids”
Thursday 22 December 1998

Professor Akihiro Tsutsumi
Hokkaido University, Japan
“Orientation and Chain Dynamics of Polypeptides as
Studied by Solid-State ^2H NMR”
Tuesday 22 December 1998