

# MEETINGS AND SYMPOSIUMS

## ICRIS'96 (The First International Symposium Organized by Institute for Chemical Research, Kyoto University)

7-8 November 1996

### I. Oral Presentations

- Multidimensional solid state NMR studies of molecular dynamics  
H. W. Spiess
- Polymer motion on the picosecond scale  
U. Buchenau
- Local dynamics of amorphous polymers  
T. Kanaya and K. Kaji
- Dynamics and structures of polymers in solution  
Y. Tsunashima
- Dynamics of block copolymer nanostructures  
J. A. Kornfield, Z. -R. Chen,  
R. Krishnamoorti, S. Smith,  
A. Ashraf, M. Sattkowski
- Dynamics and structure of triblock copolymer systems  
H. Watanabe
- Dynamics of volume transition in gels  
M. Doi
- The effect of flow on binary polymer blends  
J. S. Higgins
- Controlled organization of chiral structures in cellulose and cellulose derivatives  
D. G. Gray
- Rigid polymer crystals  
K. Shimamura
- Structures of peptides and polypeptides in the solid state as studied by high-resolution NMR spectroscopy  
I. Ando
- Fine structures in crystalline polymer solids studied by high-resolution TEM  
M. Tsuji
- Structural changes in isothermal crystallization of polyethylene as viewed from the molecular level  
K. Tashiro, S. Sasaki, and M. Kobayashi
- Control of interface structure in block copolymer systems  
E. L. Thomas
- Surface structures and dynamics of functionalized electroactive polymers  
Z. F. Li, T. Wang, K. G. Neoh, and  
E.-T. Kang
- Functional polymers with controlled refractive indices for phase-matched second harmonic

generation and retardation film applications  
S. Miyata

### II. Posters

- Elemental and chemical mappings by electron energy-loss spectroscopy  
T. Kobayashi, S. Isoda, H. Kurata, and  
S. Moriguchi
- Structure analysis of thin crystals by electron crystallography  
T. Ogawa, S. Hashimoto, K. Kuwamoto,  
S. Moriguchi, S. Isoda, and T. Kobayashi
- The first layer in epitaxy of organic molecules; point-on-line coincidence  
S. Isoda, S. Irie, and T. Kobayashi
- Quantification of stacking faults in syndiotactic polystyrene single crystals  
M. Tosaka, M. Tsuji, and S. Kohjiya
- Ultra-high extensibility of deswollen polydimethylsiloxane networks in supercoiled state  
K. Urayama and S. Kohjiya
- Deformation morphology of extruded and blown polyethylene film  
S. Murakami, K. Shimamura, and S. Kohjiya
- Molecular rheology, oops !  
K. Osaki
- Molecular rheology of suspensions  
H. Watanabe
- Molecular rheology of glassy polymers  
T. Inoue
- Structure formation of polymers during the induction period of crystallization - crystal nucleation process -  
K. Kaji, M. Imai, G. Matsuba,  
T. Kanaya, and  
K. Nishida
- Structure and its formation process of polymer gels  
H. Takeshita, Y. Nishikoji, T. Kanaya,  
K. Kaji, and K. Nishida
- Salt can control electrostatic structure in polyelectrolyte solutions  
K. Nishida, K. Kaji, K. Kiriyama,  
T. Kanaya, H. Urakawa, J. S. Higgins and  
B. Gabrys
- Dynamics of amorphous polymers near the glass transition temperature  
T. Kanaya, M. Miyakawa,  
T. Kawaguchi, and K. Kaji
- Structure and dynamics of polymers in the different states as studied by solid state NMR spectroscopy

F. Horii, H. Kaji, H. Ishida, K. Kuwabara,  
and K. Masuda

15. Solid state  $^{13}\text{C}$  NMR analyses of the medium-frequency molecular motion of solid polymers  
H. Kaji, Y. Shen, T. Tai, and F. Horii
16. Polymer chain dynamics in dilute solution under Couette flow  
Y. Tsunashima
17. *In situ* formation of organized structure of bacterial cellulose  
A. Hirai, F. Horii, M. Tsuji,  
J. Sugiyama, and H. Yamamoto
18. Controlling molecular/material structures for new high-performance polymeric materials  
T. Miyamoto, T. Fukuda, Y. Tsujii,  
M. Minoda, and N. Donkai
19. Applications of nitroxide-controlled free radical polymerization  
T. Fukuda, Y. Tsujii, and T. Miyamoto
20. Synthesis and interfacial properties of amphiphilic block copolymer with pendant glucose residues  
Y. Tsujii, M. Minoda, T. Fukuda, and  
T. Miyamoto
21. Apatite formation on organic polymers  
T. Kokubo, F. Miyaji, M. Minoda, and  
T. Miyamoto

## ICR 70th Anniversary

November 29, 1996

### Memorial Lecture

Metallic Multilayers

- Synthesis of New Materials -  
T Shinjo

The Progress in DNA Sequencing

- Towards Deciphering Entire Genetic Information -  
M Takanami

## SYMPOSIUMS ORGANIZED BY RESEARCH FACILITY OF NUCLEIC ACIDS

### WORKSHOP ON "A New Era in Functional Analysis of the Genome"

Tuesday, November 19, 1996

"A View of Genomic Analysis of Cyanobacteria"

Dr. Hirokazu Kotani & Dr. Satoshi Tabata  
KAZUSA DNA Institute, Kisarazu, Chiba, Japan

"Mapping of Expression Patterns of the *C. elegans* Genome"

Professor Yuji Kohara

National Institute of Genetics, Mishima, Shizuoka,  
Japan

"The Rice Genome: From Structural Analysis to Functional Analysis"

Dr. Masahiro Yano

Rice Genome Research Program, National Institute of Agrobiological Resources, Society for Techno-innovation of Agriculture, Forestry and Fisheries, Tsukuba, Ibaraki, Japan

"Knowledge-base Approach for DNA Sequence Analysis"

Associate Professor Kenta Nakai

Institute for Molecular and Cellular Biology, Osaka University, Osaka, Osaka, Japan

"From Gene Structure to Genome Structure"

Professor Yoshio Tateno

National Institute of Genetics, Mishima, Shizuoka,  
Japan

## ENLIGHTENMENT PROGRAM

Saturday 1 June 1996

Experiencing Course (organized by Research Facility of Nucleic Acids and Division of Molecular Biology and Information)

"The Forefront of Research on Biological Science: Instruction and Practice"

## SYMPOSIUMS ORGANIZED BY NUCLEAR SCIENCE RESEARCH FACILITY

### SYMPOSIUM ON

"Beam Physics"

March 8 (Friday) - 9 (Saturday), 1996

"Wave and Particle Property of Beam"

Dr. Susumu Kamada

National Laboratory for High Energy Physics (KEK),  
Tsukuba, Japan

"Beam-Beam Simulation"

Dr. Kohji Hirata

National Laboratory for High Energy Physics (KEK),  
Tsukuba, Japan

"A Coherent X-ray Source Based on Resonant Transition Radiation"

Dr. N. Imanishi

Faculty of Engineering, Kyoto University, Kyoto Japan

"Production of Dense Ion Beams and the Related Physics"

Dr. Hiromi Okamoto

Institute for Chemical Research, Kyoto University,  
Kyoto, Japan

"RI Beam Factory Project at RIKEN"

Dr. Akira Goto

RIKEN, Saitama, Japan

"Beam Physics in MUSES Project"

Dr. Takeshi Katayama

Institute for Nuclear Study, Tokyo University, Tanashi,  
Japan

“On New SUBARU Project”

Dr. Ainosuke Ando  
Himeji Institute of Technology, Himeji, Japan

“On Japanese Hadron Project”

Dr. Yoshiharu Mori  
Institute for Nuclear Study, Tokyo University, Tanashi,

Japan

“High-Power Laser and Its Application to Beam  
Physics”

Dr. Toshihiro Taguchi  
Setsunan University, Osaka, Japan

“Personal Comments on Beam Physics”

Dr. Yukihide Kamiya  
Tokyo University, Tokyo, Japan