

LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —



Vis Prof
KOMATSU, Takayuki
(D Eng)

Professor

KOMATSU, Takayuki
Department of Chemistry, Faculty of Engineering, Nagaoka University of
Technology and Science (1603-1 Kamitomioka-cho, Nagaoka 940-21)

Lecture at ICR

Structure of TeO₂-Based Glasses
Transparent TeO₂-Based Glass-ceramics
Nonlinear Optical Properties
Relaxation of Glass Structure



Vis Assoc Prof
TAKAGI, Hidenori
(D Eng)

Associate Professor

TAKAGI, Hidenori
Institute for Solid State Physics, University of Tokyo (Roppongi 7-22-1, Minato-
ku, Tokyo 106)

Lectures at ICR

Transport Properties IV and V
Disorder Induced Metal-Insulator Transition IV and V
Metal-Insulator Transition in YBa₂Cu₄O₈

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties —



Vis Prof
MICHIIHIKO, Tanaka
(D Eng)



Vis Assoc Prof
FUJIKI, Michiya
(D Eng)

Professor

TANAKA, Michihiko (D Eng)
Director, Information Systems Division
Toray Industries Inc.

Lectures at ICR

Application of Functional Polymers

- Membranes for Artificial Kidney, Ultrafiltration and Reverse Osmosis
- Polymers for Contact Lens

Recent Progress of Synthetic Fibers

Recent Progress of Engineering Plastics

Specialty Fibers

- Graphite Fibers
- Optical Fibers
- Polystyrene Based Functional Fibers

Associate Professor

FUJIKI, Michiya (D Eng)
Senior Research Scientist, Supervisor, NTT Basic Research Laboratories
(Wakamiya 3-1, Morinosato, Atsugi-shi, Kanagawa 243-01)

Lectures at ICR

- (1) Recent Progress in Polysilane Chemistry.
- (2) One-Dimensional Self-Assemblies of Optically Inactive and Optically Active Phthalocyanine Derivatives: Molecular Design, Structure and Properties.
- (3) Inversion of Helicity of Optically Active Synthetic and Biological Polymers.

SYNTHETIC ORGANIC CHEMISTRY —Synthetic Theory —



Vis Prof
NAKATA, Tadashi
(D Pharm Sci)



Vis Assoc Prof
YAMADA, Haruo
(D Eng)

Professor

NAKATA, Tadashi (D Pharm Sci)
The Institute of Physical and Chemical Research (RIKEN) (Wako-shi, Saitama 351-01)

Lectures at ICR

Synthesis of Biologically Active Marine Natural Products. Total Synthesis of Preswinpholide A.

Synthesis of Biologically Active Marine Natural Products. Total Synthesis of Mycalamide A.

Associate Professor

YAMADA, Haruo (D Eng)
Department of Chemical Engineering, Tokyo Institute of Technology (Meguro, Tokyo 152)

Lecture at ICR

Organic Synthesis Utilizing Theoretical Calculations. From Conformational Analysis to Transition State Modeling. Part 1.

Organic Synthesis Utilizing Theoretical Calculations. From Conformational Analysis to Transition State Modeling. Part 2.

Synthesis of Oligosaccharides by One-Pot Glycosidation