

LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —



Vis Prof
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(D Eng)

Professor

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Institute for Materials Research, Tohoku University
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Lecture at ICR

Physics of Transition Metal Oxides I
Physics of Transition Metal Oxides II
Physics of Transition Metal Oxides III



Vis Assoc Prof
SUZUKI, Yoshishige
(D Eng)

Associate Professor

SUZUKI, Yoshishige
Materials Science Division, Electrotechnical Laboratory
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Lectures at ICR

Quantum Size Effects in Magnetic Materials - Basic Concepts
Quantum Size Effects in Magnetic Materials - Concrete Examples

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties —



Vis Prof
KATO, Katsuhiko
(D Eng)

Professor

KATO, Katsuhiko (D Eng)
Deputy Director, Functional & Biomedical Products Division,
Toyobo Co. Ltd.
President, Nippon Dyneema Co. Ltd.

Lectures at ICR

Recent Progress in High Performance Industrial Fiber
“Super” Fibers and Their Characteristics
New Rigid-Rod Polymer - PBO Fiber;
Fiber-Making, Properties, and Its Industrial Application
UHMW Polyethylene Fiber
R & D Story of “Super” Fibers



Vis Assoc Prof
FUKAHORI, Yoshihide
(D Eng)

Associate Professor

FUKAHORI, Yoshihide (D Eng)
Manager, Materials Development Department
Bridgestone Corporation (Totsuka-ku-1, Yokohama, 244-8510)

Lectures at ICR

- (1) A new polymer (a thermo-setting elastomer reinforced with continuous hard structures)
- (2) A new polymer (a polymer physical gel with co-continuous structures)
- (3) Rubber elasticity (theories and numerical treatments)
- (4) Tribology of polymers (friction and wear)

SYNTHETIC ORGANIC CHEMISTRY — Synthetic Theory —



Professor
KOGA, Kenji
(D Pharm Sci)

Professor

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Nara Institute of Science and Technology (Ikoma-shi, Nara 630-0101)

Lectures at ICR

Synthesis of Lithium Amide and an Approach to the Asymmetric Catalytic Process



TOBE, Yoshito
(D Eng)

TOBE, Yoshito (D Eng)

Department of Fundamental Chemical Engineering, Osaka University (Toyonaka-shi, Osaka 560-8531)

Lecture at ICR

Enthalpy-Entropy Compensation in Asymmetric Recognition