# **ORGANIZATION AND STAFF**

## Organization

The Institute for Molecular Science comprises twenty three research laboratories — each staffed by a professor, an associate professor, two research associates and several technical associates —, two research laboratories with foreign visiting professors, and five research facilities.

#### The laboratories are grouped into six departments and one facility for coordination chemistry:

Department of Theoretical Studies	Theoretical Studies I
	Theoretical Studies II
	Theoretical Studies III <sup>1)</sup>
	Theoretical Studies IV
Department of Molecular Structure	Molecular Structure I
	Molecular Structure II <sup>1)</sup>
	Molecular Dynamics
Department of Electronic Structure	Excited State Chemistry
	Excited State Dynamics
	Electronic Structure <sup>1)</sup>
	Molecular Energy Conversion <sup>2)</sup>
Department of Molecular Assemblies	Solid State Chemistry
	Molecular Assemblies Dynamics
	Molecular Assemblies <sup>1)</sup>
Department of Applied Molecular Science	Applied Molecular Science I
	Applied Molecular Science II <sup>1)</sup>
	Molecular Clusters <sup>3)</sup>
Department of Vacuum UV Photoscience	Photochemistry
	Chemical Dynamics
	Interface Molecular Science <sup>3)</sup>
	Synchrotron Radiation Research <sup>2)</sup>
Coordination Chemistry Laboratories	Synthetic Coordination Chemistry <sup>3)</sup>
	Complex Catalysis
	Functional Coordination Chemistry
	Coordination Bond <sup>1)</sup>
The research facilities are:	
Computer Center	

Advanced Lasers for Chemical Reaction Studies Advanced Lasers for Synchrotron Radiation Applications Advanced UV and IR Tunable Lasers Organic Materials Section Hybrid Materials Section Materials Characterization Section Structure Control Section

Equipment Development Center UVSOR (Ultraviolet Synchrotron Orbital Radiation) Facility

- 1) Professors and associate professors are visiting professors from other universities.
- 2) Research laboratories with foreign visiting professors.

Laser Research Center for Molecular Science

Research Center for Molecular Materials

<sup>3)</sup> Professors, associate professors, and research associates, along with their positions, are transferred from other universities.

Mitsuo ITO

Eizi HIROTA

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## Scientific Staff

#### Professor, Director-General

#### **Emeritus Professors**

President, The Kanagawa Academy of Science and Technology President, The Graduate University for Advanced Studies

Professor, Emory University, U.S.A. Distinguished Research Consultant, Institute for Molecular Science Professor, Hosei University Professor, Japan Advanced Institute of Science and Technology Professor, Hiroshima University Professor, National Institute for Academic Degrees

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Katsuhiko SATOH Andreas FIEDLER Yumin LI Pradipta BANDYOPADHYAY Ayori MITSUTAKE Tadayoshi SUZUKI So HIRATA Hiroshi OHTSUKA Kazutoshi OKADA

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Shanta MUKHOPADHYAY Gennady V. MIL'NIKOV Vladimir I. OSHEROV Seokmin SHIN Yutaka MARUYAMA Professor Associate Professor **Research Associate** Research Associate (-February '98)<sup>1)</sup> **Technical Associate** IMS Fellow (-October '97)<sup>2)</sup> IMS Fellow Visiting Scientist (from Kang-Nung University, Korea); MONBUSHO Invited Fellow (June-August '98)<sup>3)</sup> Visiting Scientist; JSPS Invited Fellow (February-April '98)<sup>4)</sup> JSPS Post-Doctoral Fellow Visiting Scientist; JSPS Post-Doctoral Fellow (-April '98) Visiting Scientist; Research Fellow (-October '97)<sup>5</sup> Graduate Student Graduate Student Graduate Student Graduate Student Graduate Student Graduate Student

Professor Associate Professor **Research Associate Research Associate Technical Associate** IMS Fellow (-July '98)<sup>6)</sup> IMS Fellow (April-July '98)7) Invited Scientist by IMS Director-General (from Charles University) (February-April '98)<sup>8)</sup> Visiting Scientist (from University of California, U.S.A.); MONBUSHO Invited Fellow (-November '97)<sup>9)</sup> Visiting Scientist (from Korea University, Korea); MONBUSHO Invited Fellow (January-February '98)<sup>10)</sup> Visiting Scientist; JSPS Post-Doctoral Fellow (-February '98)11) Visiting Scientist; JSPS Post-Doctoral Fellow (March '98-) Visiting Scientist (September-November '97)<sup>12)</sup> Visiting Scientist (January-March '98)<sup>13)</sup> Visiting Scientist (June-August '98)<sup>14)</sup> Graduate Student

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Professor (-March '98) Professor (April '98-) Research Associate (-March '98)<sup>23)</sup> Research Associate Research Associate (January '98-) Technical Associate JSPS Post-Doctoral Fellow Graduate Student (from Kyoto University)\* (-March '98)<sup>24)</sup> Graduate Student Graduate Student Graduate Student (from Tsukuba University)\*

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Molecular Assemblies Takashi NOGAMI

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> Hitoshi KUMAGAI Shinya HAYAMI Mark ROACH

Keiichi KATOH Nikolai BARANOV

Ryo YAMAHARA

Visiting Professor (from Russian Academy of Science, Russia) (-Octover '97)<sup>32)</sup> Visiting Professor (from University of Manchester, U.K.) (Octover '97-August '98)<sup>33)</sup> Visiting Associate Professor (from National Chemical Laboratory, India) (-December '97)<sup>34)</sup> Visiting Associate Professor (from Jagiellonian University, Poland) (December '97-)

Professor Associate Professor (-March '98)<sup>35)</sup> Associate Professor (June '98-) Research Associate (-March '98)<sup>36)</sup> **Research Associate Technical Associate** Technical Associate (-October '97)<sup>35)</sup> Technical Associate Research Fellow Graduate Student Graduate Student Visiting Scientist (from Institute for Physical Research of Armenian Academy of Science, Armenia); MONBUSHO Invited Fellow (June '98-) Visiting Scientist (from Royal Institution of Great Britain, U.K.) (July'-August '98)

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Visiting Professor (from Research Institute for Advanced Science and Technology, Osaka Prefecture University) (-March '98)<sup>41)</sup> Visiting Professor (from Gakushuin University) (April '98-) Visiting Associate Professor (from Electrotechnical Laboratory) (-March'98)<sup>42)</sup> Visiting Associate Professor (from Kyoto University) (April '98-) Research Associate

Professor (-March '98)<sup>43)</sup> Professor (April '98-) Associate Professor (-March '98)<sup>44)</sup> Associate Professor (April '98-) Associate Professor (April '98-) Research Associate (-March '98)<sup>45)</sup> Research Associate (-November '98)<sup>46)</sup> Research Associate (April '98-) IMS Fellow (April '98-) IMS Fellow (April '98-) JSPS Post-Doctoral Fellow (April '98-) Graduate Student (-March '98)<sup>47)</sup> Graduate Student (-March '98)<sup>48)</sup> Graduate Student (-March '98)<sup>49)</sup>

Professor Associate Professor Research Associate Research Associate IMS Fellow (-March '98)<sup>50)</sup> Visiting Scientist (from KRISS, Korea) (-September '97, January-March '98)<sup>51)</sup> JSPS Post-Doctoral Fellow (March-June '98)<sup>52)</sup> Graduate Student (-March '98) Graduate Student

Professor Associate Professor Research Associate Visiting Scientist (-March '98), Research Associate (March '98-) Technical Associate Technical Associate IMS Fellow IMS Fellow (-March '98)<sup>53)</sup> Kota IWASAKI Shinya HIRANO Harutaka MEKARU Hiromichi NIIKURA Hideyuki NODA

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Professor Associate Professor Research Associate Research Associate Research Fellow (-November '97)<sup>54)</sup> Research Fellow (-March '98)<sup>55)</sup> Resaerch Fellow (April-July '98)<sup>56)</sup> Graduate Student (From Chiba University)\* Graduate Student (From Chiba University)\*

Visiting Professor (from Fudan University, China) (-March '98)<sup>57)</sup> Visiting Professor (from University of Illinois, U.S.A.) (April-August '98)<sup>58)</sup> Visiting Associate Professor (from Kurchatov Institute, Russia) (-September '97)<sup>59)</sup> Visiting Associate Professor (From Ukrainian Academy of Science, Ukraine) (October '97-July '98)<sup>60)</sup> Visiting Associate Professor (from University of Stockholm, Sweden) (August '98-)

#### Director

Professor (-March '98)<sup>61)</sup> Professor (April '98-) Associate Professor (-March '98)<sup>62)</sup> Associate Professor (April '98-) Research Associate (April '98-) Research Associate (-March '98)<sup>63)</sup> Research Associate (-March '98)<sup>63)</sup> IMS Fellow (-March '98) JSPS Post-Doctoral fellow (-March '98) Graduate Student (from Kanazawa University)\* (-March '98)62) Graduate Student (from Kanazawa University)\* (-March Graduate Student (from Kanazawa University)\* (-March '98) Graduate Student (from Nagoya University)\* (-March '98) Graduate Student (from Nagoya Institute of Technology)\* Graduate Student (from Yamagata University)\* (April '98-) Graduate Student (from Mie University)\* (-March '98)

Professor Visiting Professor (from Okayama University) (-March '98)

Hiromu SAKURAI (April '98-) Xian-He BU Hiroshi NAKAZAWA (-March '98) Yuji MIZOBE Tokyo) (April '98-) Research Associate Kentaro TANAKA Graduate Student Motoyuki TASAKA Hiromasa MORISHITA Graduate Student Kazuki SHIGEMORI Graduate Student Akihiko HATANO Graduate Student Honghua CAO Functional Coordination Chemistry Koji TANAKA Professor Makoto FUJITA Associate Professor Kiyoshi TSUGE **Research Associate** Takahiro KUSUKAWA **Research Associate** Tetsunori MIZUKAWA Technical Associate Hideki SUGIMOTO IMS Fellow Youichi SAKAMOTO IMS Fellow Masaki TAKAHASHI Nobuhiro TAKEDA Visiting Scientist (April '98-) Shuichi HIRAOKA Shu-yan YU Masaru AOYAGI Graduate Student Fumiaki IBUKURO Graduate Student Md. Meser ALI Toru WADA Graduate Student (April '98-) Hirokazu ITO Graduate Student (April '98-) Kazuhiko UMEMOTO Graduate Student (April '98-) Norifumi FUJITA Graduate Student (April '98-) Delower Md. HOSSAIN Takashi TOMON Coordination Bond Ginva ADACHI Hiromi TOBITA

## **Research Facilities**

**Computer Center** Suehiro IWATA Mutsumi AOYAGI Shinkoh NANBU Toshiya TAKAMI Satoshi MINAMINO Masakatsu ITO Masakazu HIROTSU Takeshi NISHIKAWA Tomoko KINOSHITA

#### Laser Research Center for Molecular Science Shuji SAITO

Advanced Lasers for Chemical Reaction Studies Shinichiro SATO

Visiting Professor (from Kyoto Pharmaceutical University) Visiting Scientist; MONBUSHO Invited Fellow (June '98-) Visiting Associate Professor (from Hiroshima University) Visiting Associate Professor (from the University of Graduate Student (October '97-)

JSPS Post-Doctral Fellow (April '98-) Visiting Scientist (April '98-July '98)<sup>64)</sup> Visiting Scientist; JSPS Post-Doctral Fellow Graduate Student (from Mie University)\* Graduate Student (from Mie University)\* (April '98-) Graduate Student (from Ryukyu University)\*

Visiting Professor (from Osaka University) Visiting Associate Professor (from Tohoku University)

Director Associate Professor **Research Associate Research Associate Technical Associate** IMS Fellow Visiting Scientist (April '98-) Graduate Student (from Keio University)\* Graduate Student (April '98-)

Director

Associate Professor (December '97-)

Advanced Lasers for Synchrotron Radiation Applications Nobuhiko SARUKURA Associate Professor **Research Associate** Hideyuki OHTAKE Shinji IZUMIDA Graduate Student Zhenlin LIU Graduate Student

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### **Research Center for Molecular Materials**

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Director Research Associate (-March '98)<sup>65)</sup> Research Associate

Associate Professor Research Associate Technical Associate Graduate Student

Associate Professor (March '98-)

Associate Professor (March '98-) Graduate Student

Associate Professor (January '98-)

Director Associate Professor Research Associate

Director Associate Professor Associate Professor Associate Professor Visiting Associate Professor (from SPring-8) Research Associate Research Associate (-March '98)<sup>66)</sup> Research Associate Research Associate Research Associate Research Associate (August '98-) IMS Fellow Graduate Student Graduate Student (-September '97)<sup>67)</sup> Graduate Student (-March '98)<sup>68)</sup>

\* Carries out graduate research of IMS on Cooperative Education Program of IMS with other graduate schools.

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Toshio KINOSHITA Nobuo MIZUTANI Tatsuharu TORII	Electronic Structure (Unit Chief) Equipment Development Center (-March '98), Unit Chief (April '98-) Equipment Development Center
Kouichi UCHIYAMA Tomonori TOYODA Takayuki YANO Takuhiko KONDOU	Equipment Development Center Equipment Development Center Equipment Development Center Equipment Development Center
Gunzo TAKAMATSU Masami HASUMOTO Jun-ichiro YAMAZAKI Kenji HAYASHI Naonori KONDO Suekichi MATSUO Bunichi KAMIMOTO	Equipment Development Center UVSOR Facility (Unit Chief) UVSOR Facility UVSOR Facility UVSOR Facility UVSOR Facility UVSOR Facility UVSOR Facility

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