# **ORGANIZATION AND STAFF**

# **Organization**

The Institute for Molecular Science comprises twenty one 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 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 Dynamics Assemblies

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 Complex Catalysis

**Functional Coordination Chemistry** 

Coordination Bond<sup>1)</sup>

### The research facilities are:

• Laser Research Center for Molecular Science Advanced Lasers for Chemical Reaction Studies

Advanced Lasers for Synchrotron Radiation Applications

Advanced UV and IR Tunable Lasers

• Research Center for Molecular Materials Organic Materials Section

Hybrid Materials Section

Materials Characterization Section

Structure Control Section

• Equipment Development Center

Department of Electronic Structure

• UVSOR (Ultraviolet Synchrotron Orbital Radiation) Facility

• Computer Center

### The research facilities of ONRI (related to IMS) are:

- Center for Integrative Bioscience
- Research Center for Computational Science
- 1) Professors and associate professors are visiting professors from other universities.
- 2) Research laboratories with foreign visiting professors.
- 3) Professors, associate professors, and research associates, along with their positions, are transferred from other universities.

## Scientific Staff

#### Professor, Director-General KAYA, Koji

### **Emeritus Professors**

NAGAKURA, Saburo President, The Kanagawa Academy of Science and

Technology

HIROTA, Eizi President, The Graduate University for Advanced Studies KIMURA, Katsumi Senior Researcher, Molecular Photonics & Photoelectron

Group, Communications Research Laboratory

Professor, Emory University, U. S. A. MOROKUMA, Keiji INOKUCHI, Hiroo

Chief Scientist of Space Utilization Research Program,

National Space Development Agency of Japan

Professor, Hosei University

Professor, Japan Advanced Institute of Science and

Technology

HANAZAKI, Ichiro IWAMURA, Hiizu Professor, University of the Air Professor, Fukui University SAITO, Shuji

Professor, National Institution for Academic Degree

Professor Emeritus, The Graduate University for Advanced

Studies, Tohoku University

## Department of Theoretical Studies

ITO, Mitsuo

IWATA, Suehiro

MARUYAMA, Yusei

YOSHIHARA, Keitaro

Theoretical Studies I NAGASE, Shigeru Professor (April '01–) OKAMOTO, Yuko Associate Professor

Research Associate (-March '01)1) IKEGAMI, Tsutomu

SUGITA, Yuji Research Associate

TSURUSAWA, Takeshi Technical Associate (-October '00)<sup>2)</sup>

NAGASIMA, Takehiro Technical Associate

YODA, Takao IMS Fellow (-March '01), Research Associate of Research

for the Future Program (April '01-)

IMS Fellow (April '01-) CHOE, Yoong-Kee NISHIKAWA, Takeshi

Research Associate of Research for the Future Program

 $(-March '01)^{3)}$ 

Research Associate of Research for the Future Program ITOH, Masakatsu Research Associate of Research for the Future Program MITSUTAKE, Ayori

 $(-March '01)^{4}$ 

IMAI, Takashi Research Associate of Research for the Future Program

 $(-June '01)^{5}$ 

Research Associate of Research for the Future Program YAMAGUCHI, Tsuyoshi

(April, '01-)

JSPS Post-Doctoral Fellow (April '01–) RE, Suyong MAYER, Bodo Research Fellow (from Darmstadt University of

Technology, Germany) (July-August '01)

KOKUBO, Hironori Graduate Student (April '01–) MURATA, Katsumi Graduate Student (April '01–) SAKAE, Yoshitake Graduate Student (April '01–)

Graduate Student (from Tokyo Metropolitan University)\*

(April '01-)

FUKAMI. Kentaro Graduate Student (from Tokyo Metropolitan University)\*

Research Associate

(June '01-)

Theoretical Studies II

NAKAMURA, Hiroki Professor Associate Professor

Research Associate (-September '00)<sup>6)</sup> TAKAMI, Toshiya Research Associate

Technical Associate (-April '01), Research Associate (May

'01-)

TANIMURA, Yoshitaka ZHU, Chaoyuan

OKUMURA, Ko

TAKAGI. Nozomi

SUZUKI, Yoko

IMS Fellow (-March '01)<sup>7)</sup> MISHIMA, Kenji KATO, Tsuyoshi IMS Fellow FUJISAKI, Hiroshi IMS Fellow (April '01-)

Visiting Scientist; MONBUSHO Invited Fellow (from LEE, Eok Kyun Korea Advanced Institute of Science & Technology, Korea) (June-August '01)

LEE, Chun-Woo Visiting Scientist; MONBUSHO Invited Fellow (from Ajou

University, Korea) (July-August '01) OSHEROV, Vladimir I. Visiting Scientist; JSPS Invited Fellow (from Institute of

Problems of Chemical Physics, Russian Academy of Sciences, Russia) (April-May '01)

Visiting Scientist; JSPS Post-Doctoral Fellow (from BIAN, Wensheng

Shandong University, China)

MIL'NIKOV, Gennady V. Research Fellow (from Institute of Structural

Macrokinetics, Russia) (June '01–)

Research Fellow (from University of Colorado, U.S.A.) CHAO, Sheng-Der

(May '01-)

Graduate Student (-September '00)8)

PICHL, Lukas NAGAYA, Kuninobu Graduate Student Graduate Student KAMISAKA, Hideyuki HINO, Osamu Graduate Student

Graduate Student (from Kyoto University)\* FUKAMI, Hiroshi

Theoretical Studies III KIKUCHI, Takeshi

Visiting Professor (from Kurashiki University of Science and the Arts) (-March '01)

Visiting Professor (from Tokyo Institute of Technology) SAITO, Susumu

(April '01-)

Visiting Associate Professor (from Kyoto University) KINOSHITA, Masahiro

(-March '01)

SHIMOI, Yukihiro Visiting Associate Professor (from National Institute of

Advanced Industrial Science and Technology) (April '01-)

Research Associate

Theoretical Studies IV

KOVALENKO, Andriy F.

HIRATA, Fumio **Professor** YONEMITSU, Kenji Associate Professor SATO, Hirofumi Research Associate KISHINE, Jun-ichiro Research Associate IMS Fellow (-May '01)<sup>9)</sup> SETHIA. Ashok

IMS Fellow (-May '01)<sup>10)</sup> KUWABARA, Makoto MORI, Michiyasu

JSPS Post-Doctoral Fellow (–January '01)<sup>11)</sup>

SUMI, Tomonari JSPS Post-Doctoral Fellow

IMAMURA, Chikara Visiting Scientist (from Yamaguchi Prefectural University)

(-September '00)

HARANO, Yuichi Graduate Student (from Kobe University)\* (-March '01)<sup>12)</sup>

Graduate Student YAMAZAKI, Takeshi MIYASHITA, Naoyuki Graduate Student

Graduate Student (April, '01-) WATANABE, Ayumi

Department of Molecular Structure

Molecular Structure I Professor (April '01-) OKAMOTO, Hiromi Associate Professor MORITA. Norio

Research Associate (-April '01)<sup>13)</sup> MORIWAKI, Yoshiki IMURA, Kouhei Research Associate (July '01–)

Molecular Structure II

AKASAKA, Takeshi Visiting Professor (from University of Tsukuba) (-March

 $(01)^{14}$ 

Visiting Professor (from Osaka University) (April '01–) AKUTSU, Hideo SASADA, Hiroyuki Visiting Associate Professor (from Keio University)

Molecular Dynamics

KITAGAWA, Teizo Professor KATO, Tatsuhisa Associate Professor

Research Associate (-May '01)15) MIZUTANI, Yasuhisa FURUKAWA, Ko Research Associate (April '01-)

Technical Associate NAGATOMO, Shigenori HAYASHI, Naoki Technical Associate TOYAMA, Namiki IMS Fellow (April '01–)

KIM, Younkyoo Visiting Scientist; MONBUSHO Invited Fellow (from Hankuk University of Foreign Studies, Korea) (December

'00–February '01)<sup>16)</sup>

Visiting Scientist; MONBUSHO Invited Fellow (from MO, Yu-jun

Henan University, China) (-May '01)<sup>17)</sup>

Visiting Scientist; MONBUSHO Invited Fellow (from Jilin LI, Zheng-qiang

University Changchun, China) (–May '01)<sup>18)</sup>

Visiting Scientist; JSPS Invited Fellow (from Charles HUDECEK, Jiri

University, Czech Republic) (April '01–)

Visiting Scientist; JSPS Invited Fellow (from North-Eastern Hill University, India) (–September '00)<sup>19)</sup> VERMA, Alan L.

Visiting Scientist; JSPS Post-Doctral Fellow (from Fudan HU, Ying

University, China) (-January '01)<sup>20)</sup>

JSPS Post-Doctral Fellow UCHIDA, Takeshi

JSPS Post-Doctral Fellow (-March '01)<sup>21)</sup> KANEMOTO, Katsuichi

IWASE, Tadashi Research Fellow

Graduate Student (-October '00)<sup>22)</sup> AKI, Michihiko Graduate Student (-March '01)<sup>23)</sup> YAMAMOTO, Kohji

Graduate Student HARUTA, Nami OKUNO, Daichi Graduate Student SATO, Akira Graduate Student OKUBO, Shingo Graduate Student

Department of Electronic Structure

Excited State Chemistry

NISHI, Nobuyuki Professor

TSUKUDA, Tatsuya NAKABAYASHI, Takakazu Associate Professor Research Associate NEGISHI, Yuichi Research Associate

AKITA, Motoko Research Associate of Research for the Future Program IMAI. Hirovuki Research Associate of Research for the Future Program PROKOP, Petra V. Research Associate of Research for the Future Program

(October '00-)

KOSUGI, Kentaroh Graduate Student (-March '01), Research Associate of

Research for the Future Program (April '01–) Graduate Student (from Kyushu University)\*

KAMO, Satoshi Graduate Student (from Tsukuba University)\* (-March

'01)

Excited State Dynamics

IKETAKI, Yoshimori

HINO, Kazuyuki

FUJII. Masaaki Professor SUZUKI, Toshinori

Associate Professor KOHGUCHI, Hiroshi Research Associate SAKAI. Makoto Research Associate KATAYANAGI, Hideki Technical Associate

SAEKI, Morihisa IMS Fellow

WHITAKER, Benjamin J. Visiting Scientist; MONBUSHO Invited Fellow (from

University of Leeds, UK) (–September '00)

WATANABE, Takeshi JSPS Post-Doctoral Fellow MATSUMOTO, Yoshiteru Research Fellow (April '01-) SONG, Jae K.

Visiting Scientist (from Seoul National University, Korea)

(March–June '01)

Visiting Scientist (from Olympus Optical Co., Ltd.) (April

Graduate Student (-March '01), Visiting Scientist (from ISHIUCHI, Shun-ichi

Keio University) (April '01–)

HOSSAIN, Delwar TSUBOUCHI, Masaaki Graduate Student Graduate Student

Electronic Structure

YAMASE, Toshihiro OHSHIMA, Yasuhiro INOKUCHI, Yoshiya Visiting Professor (from Tokyo Institute of Technology) Visiting Associate Professor (from Kyoto University) Research Associate

Molecular Energy Conversion

MO, Yu-Jun

DE LANGE, Cornelis A.

SWIETLIK, Roman

GRITSENKO, Victor V.

DU, Si-de

Visiting Professor (from Honan University, China) Visiting Professor (from University of Amsterdam, the

Netherlands) (May-August '01)

Visiting Professor (from Institute of Molecular Physics,

Poland) (August '01–)

Visiting Associate Professor (from Institute for Chemical Physics Research Russian Academy of Sciences, Russia) Visiting Associate Professor (from Fudan University,

China) (June '01–)

Department of Molecular Assemblies

Solid State Chemistry

YAKUSH1, Kyuya NAKAMURA, Toshikazu YAMAMOTO, Kaoru FUJIYAMA, Shigeki URUICHI, Mikio MAKSIMUK, Mikhail DROZDOVA, Olga

SIMONYAN, Mkhitar

SWIETLIK, Roman

NAKANO, Chikako DING, Yuqin SUZUKI, Kenji

Molecular Assemblies Dynamics

KOBAYASHI, Hayao TADA, Hirokazu OGATA, Hironori FUJIWARA, Hideki OISHI, Osamu OKANO, Yoshinori TAMURA, Itaru GRAAF, Harald TANAKA, Hisashi FUJIWARA, Emiko GRITSENKO, Victor

Molecular Assemblies

TOKUMOTO, Madoka

KATO, Reizo MORI, Takehiko

OGAWA, Takuji

HASEGAWA, Shinji

Professor

Associate Professor Research Associate

Research Associate (April '01–)

Technical Associate

IMS Fellow (–November '00)<sup>24)</sup>

Visiting Scientist; MONBUSHO Invited Fellow (from Ioffe

Physical Technical Institute) (–March '01)<sup>25)</sup>

Visiting Scientist (from Armenian Academy of Science)

(-October '00)<sup>26)</sup>

Visiting Professor (from Polish Academy of Sciences)

(-July '01) Research Fellow Graduate Student

Graduate Student (-April '01)

Professor

Associate Professor Research Associate Research Associate Technical Associate Technical Associate IMS Fellow IMS Fellow

JSPS Post-Doctoral Fellow Research Fellow (–March '01)<sup>27)</sup> Research Fellow (–March '01)<sup>28)</sup>

Visiting Professor (from Electrotechnical Laboratory)

(-March '01)

Visiting Professor (from RIKEN) (April '01–)

Visiting Associate Professor (from Tokyo Institute of

Technology) (-March '01)

Visiting Associate Professor (from Ehime University)

(April '01–)

Research Associate (-March '01)<sup>29)</sup>

Department of Applied Molecular Science

Applied Molecular Science I WATANABE, Yoshihito

KINOSITA, Kazuhiko, Jr.

Professor (Center for Integrative Bioscience)

Professor (Center for Integrative Bioscience) (April '01-)

INOUE, Katsuya HOSOKOSHI, Yuko UENO, Takafumi KIM, Cheal

KUMAGAI, Hitoshi YOSHIOKA, Shiro SUZUKI, Kazuharu NAKAI, Hidetaka

YAMAHARA, Ryo MAKIHARA, Nobuyuki

MAKIHARA, Nobuyu HARA, Isao

YANG, Huijun

SUZUKI, Kentaro KATO, Shigeru OHASHI, Masataka ABURA, Tsutomu KATOH, Keiichi OKA, Yoshimi

KOMIYA, Kazuaki

YAMAZAKI, Takayuki NOGAMI, Takeo KISHIDA, Mitsumi

Applied Molecular Science II

MASUDA, Hideki IWATA, Koichi

OGO, Seiji

Molecular Clusters

KASAI, Toshio TAKASU, Masako KUBO, Atsushi CHE, Dock-Chil

HASHIMOTO, Masahito SHIMIZU, Yuichiro NOGUCHI, Hiroshi NISHIYAMA, Yusuke

HASHINOKUCHI, Michihiro NOSAKA, Makoto

ICHIKAWA, Shinji

FUKUYAMA, Tetsuya

Department of Vacuum UV Photoscience

Photochemistry

KOSUGI, Nobuhiro TAHARA, Tahei TAKEUCHI, Satoshi HATSUI, Takaki MIZUNO, Misao OJI, Hiroshi

NAGASONO, Mitsuru

ARZHANTSEV, Sergei Yur'evich

MANDAL, Debabrata FUJINO, Tatsuya

FUJIYOSHI, Satoru

Chemical Dynamics

URISU, Tsuneo

MITSUKE, Koichiro

Associate Professor Research Associate

Research Associate (Center for Integrative Bioscience) Visiting Scientist; MONBUSHO Invited Fellow (from Seoul National Polytechnic University, Korea) (December

'00–February '01)<sup>30)</sup>
JSPS Post-Doctoral Fellow

IMS Fellow (April '01–) IMS Fellow (–March '01)<sup>31)</sup>

Research Fellow

Graduate Student (from Nagoya Institute of Technology)\*

Graduate Student
Graduate Student

Graduate Student (–March '01)<sup>32)</sup>

Graduate Student Graduate Student Graduate Student Graduate Student Graduate Student

Graduate Student (April '01–)

Graduate Student (from Nagoya University)\* (April '01–) Graduate Student (from Nagoya University)\* (April '01–) Graduate Student (from Nagoya University)\* (April '01–) Graduate Student (from Nagoya Institute of Technology)\*

(-February '01)<sup>33)</sup>

Visiting Professor (from Nagoya Institute of Technology) Visiting Associate Professor (from the University of

Tokyo)

Research Associate

Professor (from Osaka University)

Associate Professor (from Kanazawa University) Research Associate (from Kyoto University) Research Associate (from Osaka University)

IMS Fellow (-March '01)<sup>34)</sup> IMS Fellow (October '00-) JSPS Post-Doctoral Fellow

Visiting Scientist (from Kyoto University)
Graduate Student (from Osaka University)\*
Graduate Student (from Kanazawa University)\*

Graduate Student (-March '01)\*35)

Graduate Student (from Himeji Institute of Technology)\*

(April '01-)

Professor

Associate Professor Research Associate Research Associate Technical Associate IMS Fellow

JSPS Post-Doctoral Fellow

JSPS Post-Doctoral Fellow (-November '00), IMS Fellow

(December '00-)

JSPS Post-Doctoral Fellow (November '00-)

JSPS Post-Doctoral Fellow

Graduate Student

Professor

Associate Professor

MIZUTANI, Masakazu Research Associate NONOGAKI, Youichi Research Associate ONO, Masaki IMS Fellow JSPS Post-Doctoral Fellow (-May '01)<sup>36)</sup> IWASAKI, Kota MORÉ, Sam D. IMS Fellow (October '00-) Research Fellow (-March '01)<sup>37)</sup> AZUMA, Yasushi YOSHIMURA, Daisuke Research Fellow (-March '01)<sup>38)</sup> NODA, Hideyuki Graduate Student (–March '01)<sup>39)</sup> WANG, Zhihong Graduate Student YAMAMURA, Shusaku Graduate Student (April '01–) TAKIZAWA, Morio Graduate Student (April '01–) Graduate Student (April '01–) FUJIKI, Satoshi

KANBARA, Takayoshi Graduate Student (from Okayama University)\* (April '01–)
TAKABAYASHI, Yasuhiro Graduate Student (from Okayama University)\* (April '01–)
YOKOYAMA, Takahiro Graduate Student (from Nagoya University)\* (April '01–)

Interface Molecular Sicence

KUROSAWA, Kou Professor (-March '01)<sup>40)</sup>
KOMIYAMA, Masaharu Professor (April '01-)
FUKUI, Kazutoshi Associate Professor (-March '01)<sup>41)</sup>
NAGAOKA, Shin-ichi Associate Professor (-March '01)<sup>42)</sup>
OKUDAIRA, Koji Associate Professor (April '01-)
TAKASHIMA, Yoshifumi Research Associate
KUBOZONO, Yoshihiro Research Associate (April '01-)
TAKEZOE, Noritaka IMS Fellow (-May '01)<sup>43)</sup>

TAKEZOE, Noritaka

MATSUMOTO, Taki

YOSHIMURA, Daisuke

LI, Yan Jun

YANAGITA, Hideaki

KAWASAKI, Yasuhiro

TANAKA, Takashi

IMS Fellow (—May '01)<sup>43)</sup>

IMS Fellow (April '01—)

Research Fellow (April '01)

Research Fellow (April '01)

Graduate Student (—March '01)<sup>44)</sup>

Graduate Student (—March '01)<sup>45)</sup>

TANAKA, Takashi Graduate Student (-March '01)<sup>46</sup>)
SAKAKIBARA, Tsutomu Graduate Student (-March '01)<sup>47</sup>)
KIHARA, Takayoshi Graduate Student (-March '01)<sup>48</sup>)
DOI, Youichirou Graduate Student (-March '01)<sup>49</sup>)

YAMANE, Hiroyuki Graduate Student (from Chiba Univ.)\* (April '01–)

Synchrotron Radiation Research

LUPEI, Voicu

SKODJE, Rex Thomas

MIL'NIKOV, Guennady

WANG, Changshun

AHN, Kwang Hyun

Visiting Professor (—March, '01)<sup>50)</sup>

Visiting Professor (April '01—)<sup>51)</sup>

Visiting Associate Professor (—March, '01)<sup>52)</sup>

Visiting Associate Professor (June '01—)<sup>53)</sup>

Visiting Associate Professor (July '01)<sup>54)</sup>

Coordination Chemistry Laboratories

TANAKA, Koji Director

Complex Catalysis

UOZUMI, Yasuhiro

TANIGUCHI, Isao

TANAKA, Yasutaka

Professor

Visiting Professor (from Kumamoto University)

Visiting Associate Professor (from Shizuoka University)

YAMANOI, Yoshinori Research Associate (April '01–)

NAKAO, Ryu Research Fellow SHIBATOMI, Kazutaka Research Fellow (April '01–)

HOCKE, Heiko Visiting Scientist; JSPS Post-Doctoral Fellow

NAKAI, Yasushi Graduate Student (April '01–)

NAKAZONO, Maki Graduate Student (from Nagoya City University)\*
TANAKA, Hirotaka Graduate Student (from Nagoya City University)\*

Functional Coordination Chemistry

TANAKA, Koji Professor KAWAGUCHI, Hiroyuki Associate Professor

MATSUO, Tsukasa Research Associate (April '01–)
WADA, Tohru Research Associate (April '01–)

MIZUKAWA, Tetsunori Technical Associate

OHTSU, Hideki
Research Fellow (April '01–)
KOIZUMI, Takeaki
Research Fellow (April '01–)
SHIREN, Kazushi
Research Fellow (April '01–)
FUJIHARA, Tetsuaki
Research Fellow (April '01–)
TSUTSUI, Kanako
Research Fellow (April '01–)

TOMON, Takashi Graduate Student KOBAYASHI, Katsuaki Graduate Student

KOMURO, Takashi Graduate Student (From Nagoya University)\* (April '01–)

Coordination Bond

AIDA, Takuzo Visiting Professor (from the University of Tokyo) (–March

(01)

TOKITOH, Norihiro Visiting Professor (from Kyoto University) (April '01–) HAMACHI, Itaru Visiting Associate Professor (from Kyusyu University)

(-March '01)

ONITSUKA, Kiyotaka Visiting Associate Professor (from Osaka University)

(April '01-)

**Research Facilities** 

Laser Research Center for Molecular Science

FUJII, Masaaki Director

Advanced Lasers for Chemical Reaction Studies

Advanced Lasers for Synchrotron Radiation Applications

SARUKURA, Nobuhiko
OHTAKE, Hideyuki
Research Associate
MURAKAMI, Hidetoshi
KOZEKI, Toshimasa
ONO, Shingo
SUZUKI, Yuji
Graduate Student
Graduate Student

Advanced UV and IR Tunable Lasers

TAIRA, Takunori Associate Professor

KURIMURA, Sunao Research Associate (–August '01)

LUPEI, Voicu Visiting Professor; MONBUSHO Invited Fellow (–March

'01)

JANG, Won Kweon Visiting Associate Professor; MONBUSHO Invited Fellow

SHOJI, Ichiro IMS Fellow

PAVEL, Nicolaie Visiting Scientist; JSPS Post-Doctorical Fellow (-March

'01)

SAIKAWA, Jiro Graduate Student SATO, Yoichi Graduate Student

Research Center for Molecular Materials

WATANABE, Yoshihito
UOZUMI, Yasuhiro
KUWAHARA, Daisuke
Director (-March '01)
Director (April '00-)
Research Associate

Organic Materials Section

TANAKA, Shoji Research Associate TOMURA, Masaaki Technical Associate

ZAMAN, Mohammed Badruz IMS Fellow (–October '00)<sup>55)</sup>
AKHTARUZZAMAN, Mohammed Graduate Student (–January '01)<sup>56)</sup>

Hybrid Materials Section

FUJII, Hiroshi Associate Professor

FUNAHASHI, Yasuhiro Research Associate (–February '01)<sup>57)</sup>
IKEUE, Takahisa JSPS Post-Doctoral Fellow (–March '01)<sup>58)</sup>

Materials Characterization Section

NAGATA, Toshi Associate Professor ITO, Hajime Research Associate KIKUZAWA, Yoshihiro Graduate Student

ITO, Kaname Graduate Student

HINO, Takami Graduate Student (from Kyoto University)\*

Structure Control Section

SUZUKI, Toshiyasu Associate Professor SAKAMOTO, Youichi Research Associate SHIRASAWA, Nobuhiko IMS Fellow (April '01-)

KOMATSU, Shingo Graduate Student (from Kyushu University)\*

**Equipment Development Center** 

YAKUSHI, Kyuya Director

WATANABE, Michio Associate Professor

Ultraviolet Synchrotron Orbital Radiation Facility

KOSUGI, Nobuhiro Director

KAMADA, Masao Associate Professor KATOH, Masahiro Associate Professor SHIGEMASA, Eiji Associate Professor

KIMURA, Shin-ichi Visiting Associate Professor (from Kobe University)

(-March '01)

HORI, Yo-ichiro Visiting Associate Professor (from Institute of Materials

Structure Science) (April '01–)

HOSAKA, Masahito Research Associate GEJO, Tatsuo Research Associate

KODA, Shigeru Research Associate (–July '01)<sup>59)</sup>

TAKAHASHI, Kazutoshi Research Associate

MOCHIHASHI, Akira Research Associate (August '01–)

MORÉ, Sam Dylan Visiting Scientist; JSPS Post-Doctral Fellow (–September

'00)

AZUMA, Junpei JSPS Post-Doctral Fellow (April '01–)

TANAKA, Senku Graduate Student

HAYAKAWA, Kousuke Graduate Student (from Shinshu University)\* (April '01–)

Computer Center

HIRATA, Fumio Director

AOYAGI, Mutsumi

NANBU, Shinkoh

OONO, Hitoshi

MINAMINO, Satoshi

MAKI, Jun

OKADA, Kazutoshi Research Fellow KINOSHITA, Tomoko Graduate Student

## Research Facility of Okazaki National Research Institutes

Center for Integrative Bioscience

KITAGAWA, Teizo Professor

WATANABE, Yoshihito Professor (February '01–) KINOSITA, Kazuhiko, Jr. Professor (April '01–)

FUJII, Hiroshi Associate Professor (February '01–)

UENO, Takafumi Research Associate
OHTA, Takehiro IMS Fellow (April '01–)
YOSHIOKA, Shiro IMS Fellow (April '01–)

GOSSE, Charlie

JSPS Post-Doctoral Fellow (April '01–)

ALI, Md. Yusuf

JSPS Post-Doctoral Fellow (April '01–)

MAKI, Yasushi Research Fellow (April '01–)
SHIMO, Rieko Research Fellow (April '01–)
ADACHI, Kengo Research Fellow (December '00–)

NAKAI, Hidetaka Research Fellow

YOGO, Katsunori Graduate Student (from Waseda University)\* (April '01–)
KAWASHIMA, Keisuke Graduate Student (from Keio University)\* (April '01–)
SAKAKI, Naoyoshi Graduate Student (from Keio University)\* (April '01–)

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

## **Technical Staff**

SAKAI, Kusuo Technical Division Head MATSUDO, Osamu **Technical Section Chief** KATO, Kiyonori **Technical Section Chief** NISHIMOTO, Fumio **Technical Section Chief Technical Section Chief** YAMANAKA, Takaya

Laser Research Center for Molecular Science UEDA, Tadashi NAGATA, Masaaki Research Center for Molecular Materials (Unit Chief) YOSHIDA, Hisashi Research Center for Molecular Materials (Unit Chief) TAKAYAMA, Takashi Research Center for Molecular Materials (Unit Chief)

SAKAI, Masahiro Research Center for Molecular Materials MAKITA, Seiji Research Center for Molecular Materials MIZUTANI, Nobuo Equipment Development Center (Unit Chief) SUZUI, Mitsukazu Equipment Development Center (Unit Chief) UCHIYAMA, Kouichi Equipment Development Center

TOYODA, Tomonori **Equipment Development Center** KONDOU, Takuhiko **Equipment Development Center** KOBAYASHI, Kazuhiro **Equipment Development Center** HAYASHI, Kenji **Equipment Development Center** UVSOR Facility (Unit Chief) KINOSHITA, Toshio HASUMOTO, Masami UVSOR Facility (Unit Chief) UVSOR Facility (Unit Chief) YAMAZAKI, Jun-ichiro

NAKAMURA, Eiken **UVSOR** Facility KONDO, Naonori **UVSOR** Facility

Computer Center (Unit Chief) MIZUTANI, Fumiyasu

TESHIMA, Fumitsuna Computer Center NAITO, Shigeki Computer Center

## List of Present Addresses

- 1) Department of Chemistry, University of Puerto Rico, P. O. Box 23346, San Juan, Puerto Rico 00931-3346, USA
- 2) Science Technology Systems Center, Government & Public Corporation Information Systems Division, Hitachi, Ltd., Shinsuna Plaza 6-27, Shinsuna 1-Chome, Koto-ku, Tokyo 136-8632
- 3) Office of Information Technology Research and Development, Tsukuba Advanced Computing Center, National Institute of Advanced Industrial Science and Technology, Tsukuba Central 1, Tsukuba, 305-8561
- 4) Department of Physics, Faculty of Science and Technology, Keio University, 3-14-1 Hiyoshi, Kouhoku-ku, Yokohama 223-8522
- 5) Section of Applied Chemistry, Faculty of Science and Engineering, Ritsumeikan University, 1-1-1 Nojihigashi, Kusatsu, 525-8577
- 6) Department of Physics, Faculty of Science, 2-1-1 Otsuka, Bunkyo-ku, Tokyo 112-8610
- 7) Institute of Atomic and Molecular Sciences, Academia Sinica, P. O. Box 23-166, Taipei, Taiwan
- 8) RIKEN, 2-1 Hirosawa, Wako 351-0198
- 9) Department of Chemistry, University of Houston, 4800 Calhoun Street, Houston, Texas 77204-5641, USA
- 10) Molecular Photoscience Research Center, Kobe University, 1-1 Rokkodai-cho, Nada-ku, Kobe 657-8501
- 11) Theory of Solid State Physics, Institute for Materials Research, Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-8577
- 12) Dept. of Chemistry, Rutgers, The State University of New Jersey, 610 Taylor Road, Piscataway, New Jersey 08854, USA
- 13) Department of Physics, Faculty of Science, Toyama University, 3190 Gofuku, Toyama-city, Toyama 930-8555
- 14) Center for Tsukuba Advanced Research Alliance, University of Tsukuba, 1-1-1 Tennoudai, Tsukuba-shi, Ibaraki
- 15) Molecular Photoscience Research Center, Kobe University, 1-1 Rokkodai-cho, Nada-ku, Kobe 657-8501
- 16) Department of Chemistry, Hankuk University of Foreign Studies, Yongin, Kyungki Do, 449-791, Korea.
- 17) Henan University, 95 Wenhua Rd., Zhengzhou 450002 Henau P.R.China
- 18) Jilin University, 123 Jie Fang Rd., Changchun, Jilin Province 130023, PR China
- 19) North-Eastern Hill University, Shillong, Meghalaya, India
- 20) Fudan University, 220 Handan Rd., Shanghai 200433, PR China
- 21) Department of Physics, Graduate School of Science, Osaka City University, 3-3-138 sugimoto, sumiiyoshi-ku, Osaka 558-8585
- 22) Graduate School of Arts and Sciences, University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8902

- 23) Molecular Photoscience Research Center, Kobe University, 1-1 Rokkodai-cho, Nada-ku, Kobe 657-8501
- 24) Department of Physics, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 4648601, Japan
- 25) Department of Physics, University of Florida, PO Box 118440, Gainesville, FL 32611-8440, USA
- 26) Institute for Physical Research, Armenia National Academy of Sciences, IPR, Ashtarak-2,378410, Armenia
- 27) Research Centre for Spectrochemistry, Graduate School of Science, The University of Tokyo, Hongo, Bunkyoku, Tokyo 113-0033, Japan
- 28) Institute of Problems of Chemical Physics, RAS, 142432 Chernogolovka, Russia
- 29) Advanced Research Lab. Corporate Research Center, Fuji Xerox Co., Ltd. 1600, Takematsu, Minamiashigarashi, Kanagawa, 250-0111
- 30) Department of Fine Chemistry, Seoul National Polytechnic University, Seoul 139-743, Korea
- 31) Institute of Research and Innovation, 1201 Takada, Kashiwa, Chiba 277-0861
- 32) Department of Genomics and Proteomics, Beijing Institute of Radiation Medicine Academy of Military Medical Sciences, Chinese National Human Genome Center at Beijing, 27 Taiping Road, Beijing 100850, P.R. China
- 33) Department of Applied Chemistry, Faculty of Engineering, Nagoya Institute of Technology, Gokiso-cho, Showa-ku, Nagoya 466-8555
- 34) Hitachi Co.Ltd., 810 Imaizumi, Ebina, Kanagawa 243-0435
- 35) Toyama science museum, 1-8-31, Nihinakano-cho, Toyama 939-8084
- 36) Shimazu Co., 380-1 Horiyamashita, Hatano, Kanagawa 259-1304
- 37) National Institute of Advanced Industrial Science and Technology, Higashi, Tsukuba, Ibaragi 305-8561
- 38) Interface Molecular Science, IMS
- 39) Central Research Laboratory, Hitachi, Ltd., Kokubunnji, Tokyo 185-8601
- 40) Department of Electrical and Electronic Engineering, University of Miyazaki, Miyazaki 889-2192
- 41) Research Center for Development of Far-Infrared Region, Fukui University, 3-9-1 Bunkyo, Fukui, 910-8507
- 42) Chemistry Group, Department of Fundamental Material Science, Faculty of Science, Ehime University, Matsuyama 790-8577
- 43) USHIO INC., Himeji, 671-0224 Hyogo
- 44) PhD student of University of Miyazaki, Miyazaki, 889-2191
- 45) Matsushita Electric Co., Kadoma, Osaka
- 46) CKD Co. Ltd., Nagoya
- 47) PhD student of University of Miyazaki, Miyazaki, 889-2191
- 48) Canon Inc.
- 49) Aisin Seiki Co., Ltd.
- 50) Institute of Atomic Physics National Institute of Laser, Plasma and Radiation Physics Solid-State's Quantum Electronics Laboratory P.O. Box MG-36, Bucharest R-76900
- 51) Department of Chemistry and Biochemistry Campus Box 215, University of Colorado Boulder, CO 80309 USA
- 52) Institute of Structural Macrokinetics, Chernogolovka Russian Academy of Science 142432 Chernogolovka Moscow Region Russia
- 53) Department of physics, Henan University 85, Ming Lun Street, Kaifeng, Henan, 475001, P.R. China
- 54) Department of Chemistry Kyung Hee University Yongin-Kun, Kyung-Ki Do, 449-701 Korea
- 55) Steacie Institute for Molecular Science, National Research Council of Canada, 100 Sussex Drive, Ottawa, Ontario, K1A0R6, Canada
- 56) Department of Electronic Chemistry, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, 4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8502
- 57) Applied Chemistry, Nagaya Institute of Technology, Gokiso-cho, Showa-ku, Nagoya, 466-8555
- 58) Department of Chemistry, Toho University School of medicine, Omorishi, Ota-ku, Tokyo 143
- 59) Synchrotron Light Application Center, Saga University, 1 Honjyo-cho, Saga 840-8502