

Collaboration Programs

(a) IMS International Program

IMS has accepted many foreign scientists and hosted numerous international conferences since its establishment and is now universally recognized as an institute that is open to foreign countries. In 2004, IMS initiated a new program to further promote international collaborations. As a part of this

new program, IMS faculty members can (1) nominate senior foreign scientists for short-term visits, (2) invite young scientists for long-term stays, and (3) undertake visits overseas to conduct international collaborations.

Leader	Title	Partner
OHMORI, Kenji	Quantum Control of Atoms and Molecules with Amplitude- and Phase-Shaped Optical Pulses	France: Prof. GIRARD, Bertrand and his group members U.S.A.: Prof. LEVIS, Robert J. and his group members
SHIGEMASA, Eiji	Dynamics in Resonant Auger Decay Studied by Electron-Ion Coincidence Spectroscopy	France: Dr. SIMON, Marc Dr. GUILLEMIN, Renaud Dr. JOURNEL, Loic U.K.: Dr. ELAND, John H. D.
KIMURA, Shin-ichi	Optical and Photoelectrical Studies on the Local to Itinerant Electronic Structure of Strongly Correlated Electron Systems	Korea: Prof. KWON, Yong-Seung Dr. IM, Hojun Dr. KIM, Hyeong-do and group members
TAIRA, Takunori	Passively Q-Switched Nd-Lasers with YCOB Doubler	France: Prof. AKA, Gerard Philippe Dr. LOISEAU, Pascal Dr. XU, Ke
KATOH, Masahiro	Beam Dynamics in Free Electron Laser	France: Dr. COUPRIE, Marie Emmanuelle and group member Dr. BIELAWSKI, Serge and group member
KOSUGI, Nobuhiro	Resonant Soft X-Ray Spectroscopic Study at UVSOR BL3U	Germany: Prof. RUEHL, Eckart and group members Sweden: Prof. AGREN, Hans Prof. PETTERSSON, Lars G. M. Prof. NORDGREN, Joseph and group members U.S.A.: Dr. GUO, Jinghua
TANAKA, Koji	Photochemical Water Oxidation and Multi-Electron Reduction of Carbon Dioxide	U.S.A.: Dr. FUJITA, Etsuko Dr. MUCKERMAN, James T.
JIANG, Donglin	Studies on Molecular Design and Self-Assembly of Light-Harvesting Antennae	China: Prof. WANG, Changchun and group members

SAKURAI, Hidehiro

Studies on Columnar Structure of Buckybowl
Supramolecules

India:

Dr. SASTRY, Narahari G.
and group members

NAGASE, Shigeru

Theoretical Study on Chemical Modification
and Functionalization of Single-Walled Carbon
Nanotubes

China:

Prof. LU, Jing
and group members**(b) Asian Core Program “Frontiers of Material, Photo- and Theoretical Molecular Sciences”**

Asian Core Program is a multilateral international collaboration program carried out by JSPS (Japan Society for the Promotion of Science). It is designed to create world-class research hubs in selected fields within the Asian region, while fostering the next generation of leading researchers. The program is based on a principle of equal partnership among core institutions in Japan and other Asian countries, so that each institution is expected to secure its own matching fund. Institute for Molecular Science has launched a new collaboration project “material, photo- and theoretical molecular

sciences” (2006–2011) within the framework of this Asian Core Program with three key institutes in east Asian countries: Institute of Chemistry, Chinese Academy of Science (China); The College of Natural Science, Korea Advanced Institute of Science and Technology (Korea); and Institute of Atomic and Molecular Sciences, Academia Sinica (Taiwan). At present, nine joint researches are in progress, three joint seminars have so far been carried out, and another seven seminars are planned.

