

### 3. Activities in 2011 Fiscal Year

#### 3.1. People and Support

The change in personnel / employee movement in 2011 is as follows:

For GCOE program members,

- Professor Taka-hisa Arima (Condensed Matter Physics) moved to the University of Tokyo in April 2011.
- Professor Osama Hashimoto (Nuclear Physics) passed away on February 03, 2012 at the age of 64.
- Professor Hideo Kozono (Mathematics) moved to Waseda University in April 2012.
- Professor Kazuyoshi Yamada (Condensed Matter Physics) moved to KEK - High Energy Accelerator Research Organization in April 2012.

For GCOE assistant professors / Postdoctorals,

- Assistant Professor Katsuhiko Sato (Condensed Matter Physics) moved to RIKEN Center for Developmental Biology in April 2011.
- Assistant professor Yohihiro Ueda (Mathematics) was promoted to the lecturer of Kobe University in April 2011.
- Assistant Professor Hiroshi Takeda (Mathematics) moved to Fukuoka Institute of Technology in April 2011.
- Dr. Masaru Yonehara who was a postdoctoral in COE business office of Philosophy Department was promoted to the lecturer of Faculty of Education, Shizuoka University in April 2011.
- Assistant Professor Tsuguhiko Asakawa (Particle Physics) was assigned to Tohoku University in April 2011.
- Assistant Professor Yuichiro Kiyo (Particle Physics) was assigned to Tohoku University in April 2011, and promoted to the associate professor of Juntendo University in October 2011.
- Assistant Professor Satoshi Heguri (Condensed Matter Physics) was assigned to Tohoku

University in April 2011.

- Assistant Professor Joji Nasu (Condensed Matter Physics) was assigned to Tohoku University in April 2011.
- Assistant Professor Takato Uehara (Mathematics) was assigned to Tohoku University in April 2011.
- Assistant Professor Masakazu Yamamoto (Mathematics) was assigned to Tohoku University in April 2011, and moved to Hirosaki University in October 2011.
- Ms. Mariko Nihei (Philosophy) was assigned in GCOE business office of Philosophy Department in April 2011.
- Assistant Professor Dirk Puetzfeld (Astronomy) moved to University of Bremen, Germany in July 2011.
- Assistant Professor Hidekatsu Nemura (Nuclear Physics) was promoted to the associate professor of University of Tsukuba in August 2011.
- Assistant Professor Yohei Mtsuda (Nucler Physics) was moved to Kyoto Universiy in October 2011.
- Assistant professor Tatsuro Yuge (Condensed Matter Physics) moved to Kyoto University in October 2011.
- Assistant Professor Daisuke Nitta (Astronomy) was assigned to Tohoku University in October 2011.
- Assistant Professor Takahiro Okabe (Mathematics) was assigned to Tohoku University in November 2011.
- Assistant Professor Mamoru Tanaka (Mathematics) was move to Kyoto University in April 2012.
- Assistant Professor Takato Uehara (Mathematics) was move to Niigata University in April 2012.
- Assistant Professor Takahiro Okabe (Mathematics) was promoted to the lecturer of Hirosaki

University in April 2012.

- Assistant Professor Naoto Yokoi (Particle Physics) was assigned to Tohoku University in April 2012.
- Assistant Professor Daisuke Nomura (Particle Physics) was assigned to Tohoku University in April 2012.
- Assistant Prof. Toshiaki Omori (Mathematics) was assigned to Tohoku University in April 2012.
- Assistant Prof. Yuken Miyasaka (Mathematics) was assigned to Tohoku University in April 2012.
- Assistant Prof. Kazushige Nakagawa (Mathematics) was assigned to Tohoku University in April 2012.

Listed below are number of GCOE research assistants (RA) and GCOE assistant professors who were adopted in 2010 fiscal year, and also listed the number of the supports for the research encouragements and for traveling abroad or domestic travel for participating conference/research, and the invited persons and events for seminars, lectures, conference etc. In 2009 fiscal year, GCOE introduced two supports of co-operation propulsive research encouragement and project encouragement, but not after 2010 because of a tight budget.

**GCOE Program Members and Support Members**

Fiscal Year	2008	2009	2010	2011
Program Members	26	30	30	29
Support Members	7	7	7	6

**GCOE Assistant Professors and Research Assistants (RA)**

Fiscal Year	2008	2009	2010	2011
GCOE Assistant Professors	5	14	16	16
Research Assistants (RA)	75	81	73	78

**GCOE Supports for Research Encouragement**

Fiscal Year	2008	2009	2010	2011
Young Scientist Initiative A (Student)	63	67	62	53
Young Scientist Initiative B (Assistant Professor)	5	14	12	10
Young Scientist Initiative C (Student, JSPS Research Fellow)	--	16	20	--
Collaborative Research Encouragement "Start-up"	7	7	--	--
"Co-operation Propulsive Research"	--	2	--	--
"Co-operation Propulsive Project"	--	3	--	--

**Travel Supports for participating conference/research in Japan and abroad**

Fiscal Year	2008	2009	2010	2011
Travel Supports	128	85*	139	171

\*) not including the research trips of Mathematics.

**Invited Persons for seminar, lecture, conference and research**

Fiscal Year	2008	2009	2010	2011
Invited Persons	60	38	45	41

**Events of seminar, lecture, conference etc.**

Fiscal Year	2008	2009	2010	2011
Events of Symposium etc	21	34	25	27

### The GCOE Budget and Financial Support

The total budget of the GCOE in 2011 fiscal year was about 175.1million yen. Any other budget was not supported by the Tohoku University for the lack of GCOE management money. Most of the budget was used to employ the research assistants (RA) of 76 and the GCOE assistant professors of 16, and to support the researches of Young Scientist Research Initiative A/B for the Doctoral course students and the GCOE assistant professors and also the travel expense for participating conferences/researches in Japan and abroad and inviting professors for lecture / seminar / research. The proportion that these costs occupy in the budget is shown in the following figure.

\*the numbers in parentheses in the figure are the number of persons included in each subject.

**Proportion of each subject-cost in 2011 Fiscal Year**

