

1. Forward: Greetings from the Project Leader



The purpose of this program is to propose a new academic field of "Mathematical Sciences Based on Modeling and Analysis" and promote world-class education and research, thereby building an international center of excellence. This year marks the third year since the program was selected. As one major purpose of the project is to train young researchers, we have held the entrance examination for the Ph.D. Program of the Meiji Institute for the Advanced Study of Mathematical Sciences (MIMS) to educate doctoral students, starting in FY2009. While we have filled our student quota for the current fiscal year, one problem we have in running this program is the fact that MIMS is a research institution directly affiliated with the Organization for the Strategic

Coordination of Research and Intellectual Property and not part of the graduate school system; in other words, we are able to provide research guidance but do not have the right to grant academic degrees. However, we will now have the Graduate School of Advanced Mathematical Sciences with the Department of Mathematical Modeling, Analysis and Simulation (tentative names) (enrollment limits: 30 for the Master's Program; 15 for the Doctoral Program), scheduled to start in FY2011 to succeed the MIMS program. This will enable us to train young researchers, in the graduate school system, to help them acquire advanced knowledge in a wide range of mathematics fields, understand complex phenomena in society, nature, and biology, and study Mathematical Sciences Based on Modeling and Analysis, which bridges phenomena and mathematical science, so that they become able to engage in research activities independently. As a graduate education system to support this, in addition, a new science school will be established, scheduled to open in FY2013. At the core of this new school will be a faculty dedicated to Mathematical Sciences Based on Modeling and Analysis; which means, to my utter delight, that we are making steady steps towards the realization of specific visions of this Global COE Program in developing researchers here at Meiji University.

In the meantime, our faculty system to support this has gradually improved. For this fiscal year, we were newly joined by two lecturers and two visiting professors (one of whom is non-Japanese), while we are expecting to hire one full-time professor for FY2011, which is expected to help our education and research in Mathematical Sciences Based on Modeling and Analysis make major progress for the future.

Another important task for us is to promote a deep understanding and dissemination of the term "Mathematical Sciences Based on Modeling and Analysis" as the name of this new academic field. For this purpose, we have been making efforts to let the public know of our research activities through various media. The outline of this program and specific research results have drawn much media attention, with features in magazines such as AERA, Newton, and Kodomo no Kagaku; daily newspapers such as the Asahi Shimbun, the Mainichi Shimbun, the Nihon Keizai Shimbun, and the Yomiuri Shimbun; and television programs such as Bakusho Mondai no Nippon no Kyoyo, Hodo Station, and Sekaiichi Uketai Jugyo. In addition, we are also creating DVDs to feature the research activities of young researchers, and issuing the Meiji GCOE News Letter, full of interview articles written by science writers, for the same purpose. It appears that we are having increasingly more opportunities to share a glimpse into Mathematical Sciences Based on Modeling and Analysis with the public at large.

As we continue to be engaged in such activities, we had an interim evaluation interview in July, where we received a fairly good evaluation for our activities to date at Meiji University.

Finally, I would like to extend my deep gratitude to all those who have offered their support since the selection of the program. Your continued support has been, and will always be, most appreciated. Thank you very much.