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## MMC Activities

# The Research Reports under the 9<sup>th</sup> Micromachine Technology Research Grant

This research grant program started inviting applications in 1993 as a part of the independent activities of MMC. The purpose of the program is to assist college and university staff engaged in basic research on micromachines, and to promote further development of micromachine technology and communication between academics and people in the industrial world.

Among the themes selected for the ninth (2001) research grant, nine research projects, including six 2-year projects carried over from fiscal 2000 and three 1-year projects of fiscal 2001, have been completed.

The following are four summaries of the research results of the carried over projects.

No.	Subjects	Leader and Co-Worker	Affiliations	Period
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### Carried-Over Projects Granted for Fiscal 2000

1	Development of Highly Light-Sensitive Film Systems for Micro-Relief Formation and Their Applications	Prof. Takahiro Seki	Professor, Department of Applied Chemistry, Graduate School of Engineering, Nagoya University	2 Years
2	Electrochemical Immobilization of Engineered Protein for micro TAS	Prof. Tetsuya Haruyama	Professor, Department of Biological Functions and Engineering, Kyushu Institute of Technology	2 Years
3	Development of Nano-Probe System for Nano-CMM (Coordinate Measuring Machine with nanometer Resolution)	Prof. Kiyoshi Tamakasu	Professor, Department of Precision Engineering, The University of Tokyo	2 Years
		Prof. Ryoshu Furutani	Professor, Department of Precision Engineering, Tokyo Denki University	
4	Micro Hand System Capable of 3-D Tracking	Prof. Tatsuo Arai	Professor, Department of Systems Innovation, Graduate School of Engineering Science, Osaka University	2 Years
		Dr. Tamio Tanikawa	Senior Researcher, Division of Intelligent Systems, Advanced National Institute of Science and Technology	

Affiliations as of May, 2003.