

WELCOME to the 2nd FEMD SYMPOSIUM

The Japan Science and Technology Corporation (JST) and I welcome you to the 2nd FEMD (Functional Evolution of Materials and Devices based on Electron/Photon Related Phenomena) Symposium. The FEMD Research Project is one of the CREST (Core Research for Evolutional Science and Technology) Program of JST and got started on October 1st 1998.

The mission of this project is to explore the possibility that new material properties, leading to the invention of electron/photonic devices with highly advanced functional performance, will be realized by utilizing quantum mechanical effects on behavior of electrons, photons, phonons and other quanta, and to demonstrate it experimentally.

The FEMD Research Project is scheduled as seven years' project, so that it will terminate on October 31th 2005. However each research team is subsidized for 5 years and required to complete its research within the period. In consequence research proposals had been solicited three times. Five out of 116 proposals, five out of 79, and four out of 63 were accepted in 1998, 1999, and 2000, respectively, and totally 14 research teams are now supported financially and active under this program.

This Symposium is organized with the intention that the research achievements obtained by the FEMD Research Project will be presented to scientists in order to exchange knowledge and experience related to respective research subject, and also to the public in order to get awareness of this project.

Considering the subsidized period under this project, the research achievements of the 1999 five research teams will be presented in detail both at the oral session and at the poster session, and those of the 1998 five teams and of the 2000 four teams will be presented at the poster session only.

The research team members are to be commended for their efforts in preparing and presenting the high-quality papers and posters that form the foundation of this Symposium. It is with great pleasure that I extend a warm welcome to them and to all of the attendees of the 2nd FEMD Symposium.

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