



SECOND INTERNATIONAL NANOTECHNOLOGY CONFERENCE ON COMMUNICATIONS AND COOPERATION

Speaker's Biography

Kohei M. Itoh, Keio University, CREST-JST



Kohei M. Itoh received an undergraduate degree (1989) in instrumentation engineering from Keio University in Japan, followed by master's (1992) and Ph.D. (1994) in materials science and engineering from University of California at Berkeley. He joined Department of Applied Physics at Keio University in 1995 as a faculty member and has been appointed as an Associate Professor since 2002. His research interest includes understanding of the effects of isotopic composition on the electrical, optical, and magnetic properties of silicon and germanium, and their application to the development of silicon-based spintronic devices such as quantum computers. He has served as one of five leaders in the nationwide project "Semiconductor Nanospintronics" funded by MEXT between 2003-2006 and a project leader of the CREST project by JST on the development of silicon-based quantum computers between 2002 and 2006. He has given more than 30 invited talks including the plenary talk at the 27th International Conference on Physics of Semiconductors, 2004. He has served on the Executive Committee of the Physical Society of Japan between 2002 and 2004 and is co-author of about 150 scientific papers.