

Prof. Satoshi Iwamoto

Research Center for Advanced Science and Technology and Institute of Industrial Science, the University of Tokyo

iwamoto@iis.u-tokyo.ac.jp

Biography

Satoshi Iwamoto received the B.S., M.S., and Ph.D. degrees in the applied physics from the University of Tokyo, Tokyo, Japan, in 1997, 1999, and 2002, respectively. During 2001–2002, he was a Research Fellow of the Japan Society for the Promotion of Science. In 2002, he joined the University of Tokyo, as a Research Associate. He is currently a Professor in Research Center for Advanced Science and Technology and Institute of Industrial Science, the University of Tokyo, Tokyo. He is currently Associate Editor of Applied Physics Express and Applied Physics B. His research interests include photonic nanostructures, cavity quantum electrodynamics and quantum optics using photonic nanostructures, and topological photonics and phononics. He has authored or co-authored more than 180 articles, including some invited papers, in peer-reviewed journals. Dr. Iwamoto is a member of the Japan Society of Applied Physics (JSAP), the Institute of Electronic, Information, and Communication Engineers (IEICE), the Institute of Electrical and Electronics Engineers (IEEE), and The Optical Society (OSA).



Abstract - Semiconductor-based topological photonics

Topological photonics is receiving growing attention from the viewpoints not only of the fundamental science but also of the application to integrated photonics. In the presentation, we will discuss some of our recent works about topological photonics using semiconductor photonic crystals and related subjects.