

Photonic generation of terahertz waves for communications and sensing

Tadao Nagatsuma

Graduate School of Engineering Science

Osaka University

一、研究領域簡介



Tadao Nagatsuma received B.S., M.S., and Ph.D. degrees in electronic engineering from Kyushu University, Fukuoka, Japan, in 1981, 1983, and 1986, respectively. In 1986, he joined the Electrical Communications Laboratories, Nippon Telegraph and Telephone Corporation (NTT), Atsugi, Kanagawa, Japan. From 1999 to 2002, he was a Distinguished Technical Member with NTT Telecommunications Energy Laboratories. From 2003 to 2007, he was a Group Leader with NTT Microsystem Integration Laboratories. He is currently a Professor at the Division of Advanced Electronics and Optical Science, Department of Systems Innovation, Graduate School of Engineering Science, Osaka University, Toyonaka, Japan. His research interests include millimeter-wave and terahertz photonics and their application to sensors and wireless communications.

Prof. Nagatsuma is a fellow of the Institute of Electronics, Information and Communication Engineers (IEICE), Japan, a senior member of the IEEE, and a member of the Technical Committee on Microwave Photonics of the IEEE Microwave Theory and Techniques Society, and the Microwave Photonics Steering Committee, and serves as an associate editor of IEEE Photonics Technology Letters. He is the recipient of numerous awards including the 1992 IEEE Andrew R. Chi Best Paper Award, the 1997 Okochi Memorial Award, the 1998 Japan Microwave Prize, the 2000 Minister's Award of the Science and Technology Agency, the 2002 Asia-Pacific Microwave Conference Prize, the 2004 Yokosuka Research Park Award, the 2006 Asia-Pacific Microwave-Photonics Conference Award, the 2006 European Microwave Conference Prize, the 2007 Achievement Award presented by the IEICE, the 2008 Maejima Award presented by the Post and Telecom Association of Japan, the 2011 Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, and the 2011 Asia-Pacific Microwave Conference Prize .

二、聯絡方式

1-3 Machikaneyama, Toyonaka, Osaka 560-8531, Japan

E-mail: nagatuma@ee.es.osaka-u.ac.jp