

# External Awards

## 2023 HPCI Software Awards, Encouragement Award in Development Category

**Winner:** The development group of SALMON consisting of Shunsuke Yamada, National Institutes for Quantum Science and Technology, Kansai Institute for Photon Science; Yuta Hirokawa, Preferred Networks, Inc.; Kenji Iida, Hokkaido University Institute for Catalysis; Jun-ichi Iwata, Quemix Inc.; Shinji Noda, ACADE-MEIA Inc.; Tomohito Otobe, National Institutes for Quantum Science and Technology, Kansai Institute for Photon Science; Shunsuke Sato, Center for Computational Sciences, University of Tsukuba; Yasushi Shinohara, NTT Basic Research Laboratories/School of Engineering, The University of Tokyo; Takashi Takeuchi, RIKEN Cluster for Pioneering Research (CPR); Mizuki Tani, School of Engineering, The University of Tokyo; Mitsuharu Uemoto, Department of Electrical and Electronic Engineering, Faculty of Engineering, Kobe University; Kazuhiro Yabana, Center for Computational Sciences, University of Tsukuba; Atsushi Yamada, Research organization for Information Science and Technology

**Date:** May 19, 2023

**Organization:** High Performance Computing Infrastructure Consortium (HPCI)

The development group of the first-principles calculation code SALMON (Scalable Ab-initio Light-Matter simulator for Optics and Nanoscience, <https://salmon-tdfft.jp/>), which is developing the field of computational science such as large-scale calculations, was selected as a developer or organization whose software was recognized as particularly useful among the software that contributed to HPCI.

## ICASSP 2023 Outstanding Reviewer Recognition

**Winner:** Hiroshi Sawada, NTT Communication Science Laboratories

**Date:** June 21, 2023

**Organization:** The 2023 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP 2023)

## Best Paper Award

**Winners:** Shimpei Shimizu, NTT Network Innovation Laboratories; Takayuki Kobayashi, NTT Network Innovation Laboratories; Takushi Kazama, NTT Network Innovation Laboratories/NTT Device Technology Laboratories; Takeshi Umeki, NTT Network Innovation Laboratories/NTT Device Technology Laboratories; Koji Enbutsu, NTT Device Technology Laboratories; Ryoichi Kasahara, NTT Device Technology Laboratories; Yutaka Miyamoto, NTT Network Innovation Laboratories

**Date:** September 13, 2023

**Organization:** The Institute of Electronics, Information and Com-

munication Engineers (IEICE) Communications Society

For “Channel Arrangement Design in Lumped Amplified WDM Transmission over NZ-DSF Link with Nonlinearity Mitigation Using Optical Phase Conjugation.”

**Published as:** S. Shimizu, T. Kobayashi, T. Kazama, T. Umeki, K. Enbutsu, R. Kasahara, and Y. Miyamoto, “Channel Arrangement Design in Lumped Amplified WDM Transmission over NZ-DSF Link with Nonlinearity Mitigation Using Optical Phase Conjugation,” *IEICE Trans. Commun.*, Vol. E105-B, No. 7, pp. 805–813, 2022.

## ComEX Best Letter Award

**Winners:** Doohwan Lee, NTT Network Innovation Laboratories; Yasunori Yagi, NTT Network Innovation Laboratories; Hiroyuki Shiba, NTT Network Innovation Laboratories

**Date:** September 13, 2023

**Organization:** IEICE Communications Society

For “Multishape Radio: New Approach to Utilizing the Physical Properties of Electromagnetic Waves.”

**Published as:** D. Lee, Y. Yagi, and H. Shiba, “Multishape Radio: New Approach to Utilizing the Physical Properties of Electromagnetic Waves,” *IEICE Communications Express (ComEX)*, Vol. 11, No. 9, pp. 571–576, Sept. 2022.

## Distinguished Contributions Award

**Winner:** Shuto Yamamoto, NTT Network Innovation Laboratories

**Date:** September 13, 2023

**Organization:** IEICE Communications Society

For contributions as a secretariat in IEICE Technical Committee on Optical Communication Systems.

## JIP Specially Selected Paper

**Winners:** Kazuki Nomoto, Waseda University; Takuya Watanabe, NTT Social Informatics Laboratories; Eitaro Shioji, NTT Social Informatics Laboratories; Mitsuaki Akiyama, NTT Social Informatics Laboratories; Tatsuya Mori, Waseda University

**Date:** September 15, 2023

**Organization:** Information Processing Society of Japan

For “Understanding the Inconsistencies in the Permissions Mechanism of Web Browsers.”

**Published as:** K. Nomoto, T. Watanabe, E. Shioji, M. Akiyama, and T. Mori, “Understanding the Inconsistencies in the Permissions Mechanism of Web Browsers,” *Journal of Information Processing (JIP)*, Vol. 31, pp. 620–642, 2023.