

Preface

Chitose Institute of Science & Technology (CIST), founded in 1998 as a private technical college, offers a unique educational environment that attracts young and active students. Research done at CIST includes fields such as photonic materials and devices, bio-photonics, subsystems, networks, information and service engineering. We strive to make these results of research and educational systems known to the public as a part of the self-evaluation of academia. From this viewpoint, we organize international forums every year since the foundation of CIST.

Major topics in the past were: Organic nonlinear optics in 1998 (ICONO4), organic photonics and electronics in 1999 (CIF-1), optical memories in 2000 (ISOM2000, organized by ISOM), nanotechnology toward photonic science and technology in 2001 (CIF-2), bio-photonics, nanotechnologies, photonic networks and organic transistors in 2002 and 2003 (CIF-3 and CIF-4), novel photonics and media technologies in 2004 (CIF-5), organic electro-phosphorescence and organic transistors in 2005 (CIF-6), photonic devices and systems, bio-photonics and information & media technologies in 2006 (CIF-7), optical materials, devices and systems in 2007 (CIF-8), organic electronics and photonics in 2008 (CIF-9, co-organized with KJF 2008), optical devices and systems, biomedical and green technologies in 2009 (CIF-10), polymer photonics, and novel optical technologies in 2010 (CIF-11), optical materials, nano- and bio-imaging, and communications in 2011 (CIF-12), biomimetics, photonics sensing and networks in 2012 (CIF-13), Laser - From Science to Applications in 2013 (CIF-14), Nanotechnology - From Synthesis to Devices in 2014 (CIF-15), “Applied Material for Photonics” and “Optical Devices and Systems” in 2015 (CIF-16) and Memoriam of Naoya Ogata, a professor and the 2nd president at CIST, in 2016 (CIF-17), “Smart Nature City Chitose,” the next vision of CIST for the contribution to municipal communities, in 2017 (CIF-18).

The 19th CIF was held on October 21-22, 2018. The theme of the first part on Oct. 21, was “A new approach to town planning towards the future” for local residents and industry. The second part on Oct. 22 was focused on “Collaboration and Co-existence between the Novel Information and Communication Technology (ICT) and Nature”. On this occasion, we were privileged to have special lectures for public by Prof. Ken Senoh and a plenary speech by Prof. Yoshihisa Yamamoto.

Finally, I would like to express my sincere thanks to all distinguished guest speakers both from abroad and Japan for their stimulating presentations and discussion during the forum, to other presenters for their newest achievement, and to all the participants of CIF-19. The symposium would not have been successful without the generous financial sponsorship from Photonics World Consortium (PWC) and the support from Chitose city, for which we are grateful.

Masaaki Kawase
Chairman of CIF'19
President of CIST