

The 7th International Conference on Optics-photonics Design and Fabrication (ODF'10, Yokohama) Report

Yorio Wada ODF'10 Steering committee

The 7th International Conference on Optics-photonics Design and Fabrication (ODF'10) was held from April 19 to 21(2010) at the Pacifico Yokohama Conference Center (Yokohama, Japan). This biyearly meeting has been organized by The Optics Design Group (ODG) of Optical Society of Japan (OSJ; An affiliate of the Japan Society of Applied Physics) since 1998. ODF'10 is an international forum for engineers and scientists in the field of Optics-photonics Design and Fabrication to exchange their ideas and achievements with the goal of future mutual progress. The conference will consist of sessions on optics-photonics design, simulation, optical components, optical systems, and optical technology. These sessions will cover the fields of optical theory, fabrication and testing, software, DOEs, micro-optics, nano-optics, photonic crystals, near-field optics, thin films, waveguides, MEMSs, lasers, fiber communications, information optics, optical storage, optical lithography, microscopy, displays, bio-medical optics. A special session on "Reflection Control by Nano-structures" was also held this time.

This year 289 people attended 125 from outside Japan. The count of participants is showing in figure 1.

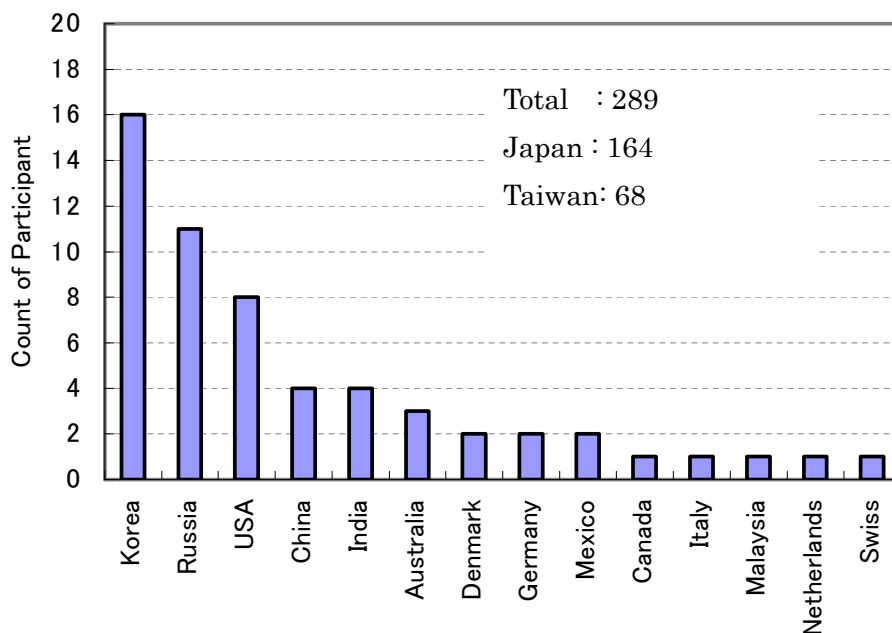


Figure 1.

The total number of papers were 252. Four plenary talks, 26 invited speakers, 40 oral and 182 posters including 22 post deadline papers (Figure 2).

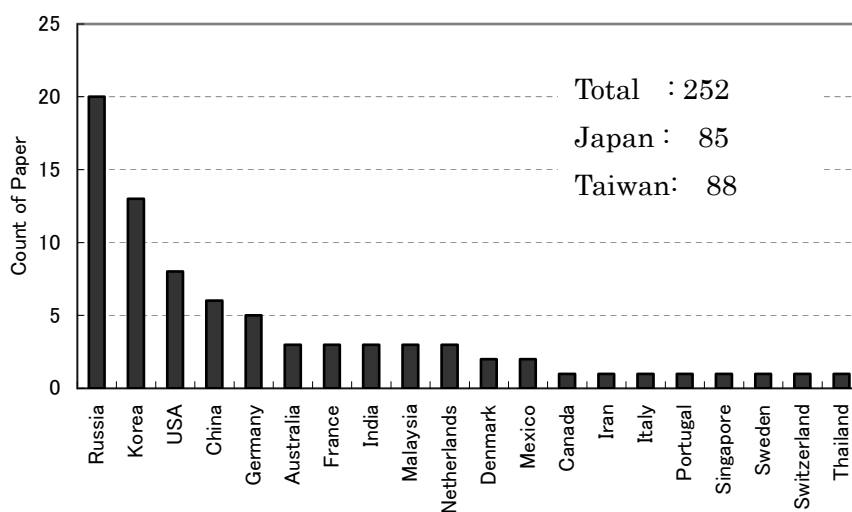


Figure 2.

One best poster and two best papers were awarded showing in table 1.

	No.	Title	Auters	Affiliation	Country
Best Paper Award	19S1-12	Enabling Efficient Multilayer Optimization Based on the Extended Nijboer-Zernike (ENZ) Imaging Algorithm	S. van Haver, J. J. M. Braat, S. F. Pereira	Delft Univ. of Technology	the Netherlands
Best Poster Award	20PSa-09	Application of self alignment technology for cylindrical micro lens array	Y. Nagasaka, K. Okada, M. Nishikawa, K. Ikuta	Sharp Corp.	Japan
	20PDa-01	New calculation formulae for chromatic aberration coefficients of co-axial optical systems	K. Araki	Canon Inc /Utsunomiya Univ.	Japan

Table 1.

Unfortunately the volcano in Iceland erupted just before the meeting and some speakers in Europe including invited paper could not be able to come to the conference. Although several presentations were cancelled but a speaker sent us his voice presentation file some other papers read by deputy. Committee members also made a great effort to minimize the influence. Thanks to their corporation the entire program progressed smoothly.

The conference was co-located LENS EXPO 2010 one of the largest optics-related exhibition in Asia. Attendees might be enjoyed both academic presentation in the conference and top-notch optical industry exhibitions.

The special issue *Optical Review* will be published next year. Next ODF'12 is planed to be hold in Saint Petersburg, Russia in 2012.

ODF'10 website: www.odf.jp