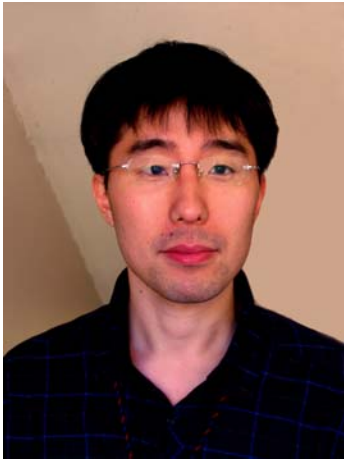


Optical Society of America (OSA) Student Prize Winner



Jeon Woong Kang, PhD
Research Fellow

Jeon Woong Kang, Ph.D. was recently selected by the Optical Society of Korea as an OSA-OSK 2008 student travel prize winner for his presentation “Three dimensional shape measurement of a micro Fresnel lens with in-line phase-shifting digital holographic microscopy.” This article, published in the Journal of the Optical Society of Korea, discusses an in-line phase shifting digital holographic microscopy system that was constructed by inserting a conventional microscope in the object arm of a Mach-Zehnder interferometer. This microscopy system was used to measure the three dimensional shape of a micro Fresnel lens, and showed that both the lateral and the axial resolutions of the in-line phase shifting system using a self-calibration algorithm were superior to those of the best off-axis system.

At a ceremony in Korea on February 14th, Jeon Woong was awarded a travel prize of \$1,500 toward travel to an OSA topical meeting or conference in 2008.