

Report of The International Symposium on Ultraprecision Engineering and Nanotechnology (ISUPEN) 2015

The International Symposium on Ultraprecision Engineering and Nanotechnology (ISUPEN2015) was held on March 17th, 2015 at the Hakusan Campus of Toyo University in Tokyo, Japan. Aiming to promote international relationships and enhance collaborations in the field of manufacturing among North America (ASPE), Europe (euspen), and Asia, the international symposium was held during the 2015 JSPE Spring meeting. The symposium is a biannual event that is organized by JSPE.

The symposium consisted of two parts. In the first, which was entitled “State-of-the-Art and Future Trends in Ultraprecision Engineering & Nanotechnology,” two delegates from ASPE and euspen and one from JSPE delivered plenary lectures. In the second part, young researchers who are expected to be next-generation leaders presented their latest results as cutting-edge technology.

Dr. Byron Knapp (Professional Instruments Company / President of ASPE) began the first part by discussing “Recent advances in precision choppers and goniometers for synchrotron applications.” Next, Dr. Oltmann Riemer (Universität Bremen / euspen Council) delivered a talk entitled “High Performance

Ultraprecision Machining.” Then, Prof. Hideki Aoyama (Keio University)-the delegate from JSPE-presented his research work entitled “State-of-the-Art and Future Trends on CAD/CAM Technology.” Fig.5 shows a photo that was taken at the end of the part. The second, third, and fourth individuals from the left are Dr. Byron Knapp, Dr. Oltmann Riemer, and Prof. Hideki Aoyama, respectively.

The second part comprised two sessions. The first session focused on “Design” and consisted of four presentations. The second pertained to “Machining” and included five presentations. The presenters in this part were young associate professors, assistant professors, and students, some of whom were recommended by the JSPE Affiliate Committee.

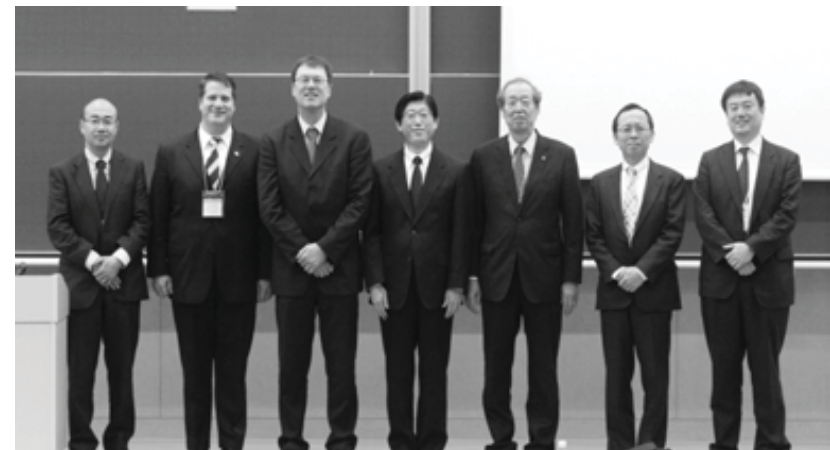


Fig.5 Group photo: three plenary speakers and JSPE members