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Precision machine and experiment

This photo shows an experiment using a precision machine system that all our lab members including myself designed to verify a new proposal method. Kakinuma lab's characteristic is that we conduct research by doing everything on our own – from CAD design, machine production and system construction through control design and programming.



International conference and presentation

A scene from the CIRP (The International Academy for Production Engineering). It is truly exciting for me to discuss with up-and-coming researchers from the world over about the future of production engineering. For our lab students, they also have chance to present their research achievements – a valuable opportunity giving them a stimulus they've never experienced before.



Chair Secretary Vice chair

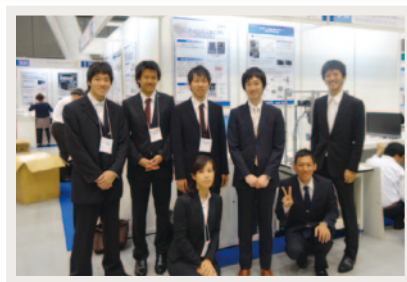
International conference: evening

While an international conference is in session, the evening comes alive as participants build up mutual friendship over dinner. Photo shows me as the secretary at a bistro in France, posing with Chair and Vice-chair of the CIRP Research Affiliate. After dinner, we went out to a bar for drinking and dancing.



Yasuhiro Kakinuma's ON and OFF time

Here I'd like to introduce scenes from Kakinuma lab members hard at work during ON time, including snapshots of me when I studied in Germany, and scenes from our OFF time showing everyone enjoying themselves after work.



Presenting our achievements at exhibitions

Every year our lab takes part in "Innovation Japan" (an interuniversity exhibition) and KEIO TECHNO-MALL (organized by Keio Faculty of Science and Technology). Through exhibits and demonstrations, we disseminate the results of our research to the industry.

Studying in Germany: ①

For one year from Sep. 2012 to Sep. 2013, I studied the latest manufacturing technology at the Institut für Fertigungstechnik und Werkzeugmaschinen (IFW) of Leibniz Universität Hannover under Prof. Denkena. I was very impressed with the scene of over 70 doctoral candidate researchers devoting themselves to research, each using his/her own machine for the research.



Studying in Germany: ②

I conducted research for the development of a "Feeling Machine", a modified version of a leading-edge 5-axis machine tool incorporating a number of microsensors at all key points. Many engineers extended support, for which I was truly grateful.



Studying in Germany: ③

At IFW, working timeframes were 8:00 to 17:00 from Monday through Thursday and 8:00 to 15:00 on Friday. After the week's work was over on Friday, I refreshed myself, enjoying a barbecue, party, bike tour and so on with colleagues.



Our lab's alumni meeting

After my return from Germany, our lab's male and female alumni welcomed me by holding a class reunion. All of the graduates were powerful just as in their student days. Each and every one is very promising. I must brace myself up to keep outshining them.