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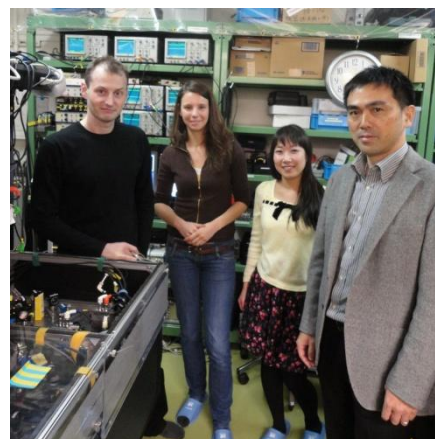
**Period of JSPS Fellowship:** October to December 2013  
**JSPS Fellowship Type:** JSPS Short Term Postdoctoral Fellowship

The JSPS Fellowship was a great opportunity for me to visit Prof. Akira Furusawa's group at the University of Tokyo. I conducted research at the Department of Applied Physics for two months. The research topic linked perfectly to my present research conducted during my PhD which is concerned with Quantum Information Science with Integrated Photonics. While at my home University in Bristol we use single photons (so called discrete variables) for quantum information processing, Prof. Akira Furusawa's group uses a complementary approach called continuous variables. While these two approaches have many things in common, the experimental setups and theoretical models differ in many aspects. It was a great experience for me to learn these new techniques in a laboratory setting worldwide standards. During my stay we combined the photon sources at University of Tokyo with integrated waveguide technology developed in Bristol and could show that these two technologies work well together constituting a crucial step towards integrated quantum information processing.

Beside the very successful research activities, my overall experience was very positive. The friendly and kind attitude of the Japanese people made it easy for me to settle in. While most people in big cities such as Tokyo know some English, they are often reluctant to speak a foreign language. Nevertheless learning Japanese before going to Japan is not necessary to survive, but knowing even just a few words will facilitate overcoming initial communication barriers and will milder the culture shock. Also doing a bit of research into Japanese culture and manners will prevent misunderstandings, although foreigners are forgiven all kinds of "faux pas". Being open minded you will soon make friends and enjoy your stay in every respect.



Sightseeing in Kyoto.



In the lab with Prof. Akira Furusawa and colleagues.