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Reference Letter for Petr Marek

I recommend Dr. Marek to the full professorship position at Olomouc University in strongest terms. It will be hard to find a researcher of his calibre in optical realisation of quantum information processing who can work closely with experimentalists. As the field of research matures it is becoming more and more important to realise theoretical proposals in experimental lab and Dr. Marek is one of the people who can work both theoreticians and experimentalists. His high impact journal papers already prove his ability in this direction. He is passionate in the research of foundational issues in quantum physics and he delivers his enthusiasm to the audience and discussion groups with well-structured arguments. I saw him discussing with his colleagues and junior students. He is talented in leading the discussions with maximum participation from the other people. Dr. Marek will be an ideal fit to Olomouc where excellence in teaching and research is highly valued in quantum optics and quantum information.

He was a PhD student between 2005 and 2009 at Queens University Belfast under my supervision. Even though I worked with him as his supervisor, I always considered him as a colleague rather than a junior student. He was already independent and had power to generate new ideas with critical comments. He was reliable in his calculations and wrote a very good papers with fluence in the story. He was certainly one of the excellent students among the talented ones I have been lucky to work with.

I published five papers with him and some of them have been cited over 100 times. In all the five publications, his contribution was critical. He did most of the calculations and wrote the first drafts for those papers Apart from my own papers with him, he published many influential papers in high impact journals with his international and national colleagues. I can assure that his papers represent significant progress in the research field of continuous variable quantum computation and information processing.

Dr. Marek is an excellent researcher who is talented to work with other people. I enthusiastically recommend him to the full professorship at the University of Olomouc.

Myungshik Kim, Professor
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