



Florence, February 20th, 2017

To:
Prof. RNDr. Ivo Frebort, CSc., Ph.D.
Dean, Faculty of Science
Palacky University Olomouc

I am very pleased to write this recommendation letter in support of Dr. Jaromír Fiurášek.

I have known Dr. Fiurášek for several years from his excellent early theoretical papers in the field of Quantum Optics. All of his scientific works are of very high relevance, both for fundamental science and for the possible use of quantum resources in future technologies. They have always provided a precious source of inspiration for my own experimental activity in the field and were the initial stimulus to start a fruitful collaboration.

The direct interactions that followed, in the form of frequent reciprocal visits in Florence and Olomouc, have resulted in important scientific outcomes, starting from the first realization of high-fidelity noiseless amplification of quantum states (*Nature Photonics*, 2011), to the study of the effect of heralded amplification and attenuation on non-Gaussian states (*PRA*, 2014), to the implementation of measurement-induced nonlinearities at the single-photon level (*submitted*, 2017).

Working together has always been a great pleasure, besides being extremely productive. In fact, since the beginning of our collaboration, I have been impressed by Dr. Fiurášek's eagerness in facing new challenges and by the promptness with which he could answer to all our theoretical questions and doubts. Besides mastering the theory and modeling part of the work, he has great capabilities of explaining and communicating it in accessible but rigorous terms, which is surely much appreciated by his students.

Even if his early scientific career was mostly devoted to theoretical Quantum Optics, Dr. Fiurášek has soon demonstrated an uncommon ability to deal equally well with the experimental activities: initially, in the form of collaborations with several groups across Europe; then, by starting his own (very successful) experimental Quantum Optics group in Olomouc.

I think that Dr. Jaromír Fiurášek is a very skillful and motivated scientist with great potential to further increase the impact of the Palacky University of Olomouc in the international scenario. I expect that his unique scientific capabilities, together with his didactical skills and the recent managing experience, will help attract new students and resources, in this hot moment for quantum science in Europe (see the upcoming Quantum Technologies Flagship). Therefore, I have no doubt in recommending him as an extremely good candidate for the academic title of Full Professor.

Of course, you can contact me for any other information, if required.

Sincerely yours,

Marco Bellini
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