## INSTITUTE OF PHYSICS BELGRADE NATIONAL INSTITUTE OF THE REPUBLIC OF SERBIA

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For:

Dr. James Fullwood School of Mathematical Sciences, Shanghai Jiao Tong University 800 Dongchuan RD Shanghai, Minhang District 200240 Shanghai, China

Belgrade, 23. March 2023

Dear Dr. Fullwood,

On behalf of the Group for Gravitation, Particles and Fields (GPF, www.gravity.ipb.ac.rs), Institute of Physics Belgrade, Serbia, it is our pleasure to invite you to visit the GPF group during the period from 27. April to 2. May 2023, and give a lecture titled "*Quantum dynamics as a pseudo-density matrix*".

In addition, related to the research project QGHG-2021 (program IDEAS) of the Science Fund of Republic of Serbia, we also invite you to participate in scientific discussions related to the applications of category theory in theoretical physics during the time of your visit, and discuss the prospects for future joint collaboration.

Looking forward to your visit,

Dr. Igor Salom isalom@ipb.ac.rs

Dr. Marko Vojinović vmarko@ipb.ac.rs

Group for Gravitation, Particles and Fields Institute of Physics University of Belgrade