

September 24, 2021

To: Dr. Nataliya Zubko

Dear Dr. Nataliya Zubko

I acknowledge that I reviewed proposal “Phasing up the next generation of astro-geodetic VLBI (NT-VGOS2)”. It is my pleasure to join this project as an unfunded collaborator. The topic of the project, improvement of VLBI geodetic results thorough investigation of stability of VLBI reference points from phase delays determined from observations at short baseline and developing innovative techniques for mitigation of systematic errors is well aligned with my personal work plan. We will do a similar investigation using observations between two radio telescopes at Kokee Park at Hawaii. I am willing to work with you on automation of the procedures for data collection, calibration, pre-processing, and analysis, as well as investigation of the impact of the digital noise incurred in the correlator and in the data acquisition system. This collaboration will be mutually beneficial since this will allow us to discriminate systematic errors specific to Metsähovi and Kokee Park stations from common errors that are intrinsic to the VLBI technique.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Leonid Petrov', with a stylized flourish at the end.

Leonid Petrov

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