



iWoRiD 2022

23rd International Workshop on Radiation Imaging Detectors

26 – 30 June 2022

Riva del Garda, Italy

Contribution ID: 218

Type: **Oral**

INVITED: Imaging and time-stamping single optical photons with nanosecond resolution for quantum applications

Monday 27 June 2022 11:00 (30 minutes)

I will discuss fast optical cameras based on the back-illuminated silicon sensor and Timepix3 data driven readout. The intensified version of the camera is single photon sensitive and since recently has been used for a variety of quantum imaging and other applications. I will talk about recent results and new ideas, focusing on topics of quantum-assisted astronomical interferometers. I will also discuss possible future directions for the fast imaging technology in the optical.

Presenter: Dr NOMEROTSKI, Andrei (BNL)

Session Classification: Applications