

Astronomical CCDs and light-sensitive sensors for fast imaging

Tuesday, 2 July 2019 12:30 (1h 15m)

I will review how the state-of-the-art sensors developed for astronomical applications can precisely measure the positions and shapes of billions of galaxies. The talk will focus on the camera and sensors for the Large Synoptic Survey Telescope (LSST) and will discuss limitations on the achievable precision coming from the instrumentation. I will also discuss light sensitive sensors which can be used for fast imaging of single photons in QIS and other applications.

Presenter: NOMEROTSKI, Andrei (BNL)