



University
of Victoria

PHYSICS AND ASTRONOMY COLLOQUIUM (Online)

Dr. Jos de Bruijne
European Space Agency

“The Gaia mission and its third data release”

Abstract

“Gaia is the space astrometry mission of the European Space Agency. With a focal plane containing more than 100 CCD detectors and almost a billion pixels, Gaia has been surveying the sky, targeting the brightest ~2,000 million objects in it, since mid-2014. Gaia's primary science goal is to unravel the kinematical, dynamical, and chemical structure and evolution of our galaxy, the Milky Way. In addition, Gaia's data is touching many other areas of research, for instance stellar physics, solar-system bodies, fundamental physics, and extra-solar planets. The latest data release, Gaia DR3, has been published on 13 June 2022. This seminar explains the science fundamentals and objectives of the mission, summarises Gaia DR3, and provides some examples of how the Gaia data is revolutionising astronomy.”

Wednesday, September 21, 2022

3:30 p.m. PDT

via Zoom: Zoom link will be shared on Tuesday