

## Third Workshop on Current Challenges in Cosmology



Contribution ID: 37

Type: **not specified**

# Cosmic Inflation and Dark Energy and Gravitational Waves (Remote Talk)

*Tuesday 24 October 2023 10:15 (1 hour)*

I will briefly introduce cosmic inflation and dark energy and combine them in quintessential inflation. A stochastic spectrum of primordial gravitational waves (PGWs) is expected from inflation, but it is unobservable in the near future. I will discuss some ways to boost the inflation generated PGWs, in quintessential inflation and beyond, which may result in characteristic observable spectra. If indeed observed, such PGWs can shed light on the background theory.

**Presenter:** DIMOPOULOS, Konstantinos (Lancaster University)