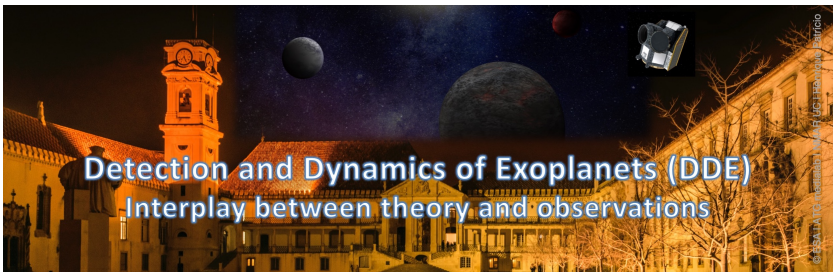

Contribution ID: **10** Type: **not specified**

On the Detectability of Exomoons by Roman Galactic Bulge Time Domain Survey

Tuesday 8 July 2025 11:00 (15 minutes)

Roman Space Telescope (formerly the Wide-Field Infrared Survey Telescope or WFIRST) is a NASA infrared space telescope scheduled to launch by May 2027. Wilson et al. (2023) predicted that Roman will find between 60000 and 200000 transiting planets. Through the simulated photometric uncertainties, the detectability of exomoons with various configurations hosted by these transiting planets will be investigated and presented.

Presenter: JIANG, Ing-Guey (National Tsing Hua University)

Session Classification: Exomoons, exorings, and trojan systems