



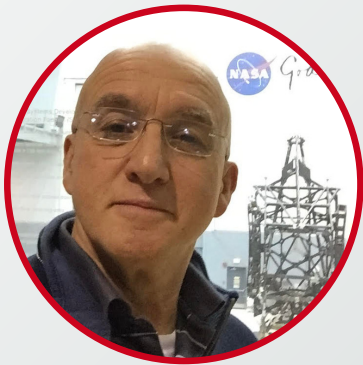
DIPARTIMENTO  
MATEMATICA

DIPARTIMENTO DI MATEMATICA "TULLIO LEVI-CIVITA"

# COLLOQUIA PATAVINA

FOR STUDENTS

A colloquium series in Mathematics and Computer Science



## IN PURSUIT OF THE LAST PHOTON: DATA ANALYSIS OF THE MOST POWERFUL SPACE TELESCOPES

FRIDAY NOVEMBER 17, 2023 - 1:30PM

1C150 - TORRE ARCHIMEDE

### MASSIMO ROBERTO, PhD

Lead of NIRCam, STScI & researcher at Johns Hopkins University

The Hubble and JWST space telescopes continue to gift us with the most detailed and spectacular images of the Universe. However, those admired by the general public are merely artistic renderings of scientific data analyzed by astronomers. Their production, the transition from raw data provided by the instruments to the final calibrated ones, requires a complex pipeline to remove any possible artifact. It is a dynamic process, as our understanding of instrumental effects grows with the constant influx of new data, urging us to employ ever more refined algorithms and processes to isolate the last photon, the one that the instrument may have captured after a journey lasting 13 billion years.

Reservations + Info

