

Scientific Capability of the James Webb Space Telescope and the Mid-InfraRed Instrument

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The James Webb Space Telescope mission is expected to launch in 2018 and will provide high resolution imaging and spectroscopy covering wavelengths from 0.6 to 28.5 microns.

In this talk I will provide an overview of the mission science, the status of the development and the capabilities of all the instruments.

There will be a particular emphasis on the MIRI, which will provide the highest sensitivity of any planned mission or telescope in the mid-infrared and will thus have a key role in setting the scientific scene for future far-infrared missions.