

**Low-mass Habitable Exoplanets with a
Wide-field Infrared Space Telescope**

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Abstract: The UKIRT Wide Transit Survey (WTS) is about to announce their first two exoplanets found from an near-infrared (J-band) transit survey. The properties of these two exoplanets will be reviewed in this presentation and they will be put in context with other exoplanet surveys such as the HARPS radial velocity survey of nearby main-sequence stars, the Kepler space telescope survey and the MEarth survey. Prospects of detectability of low-mass habitable exoplanets with a wide-field infrared space telescope will be discussed.