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# 国台学术报告 NAOC COLLOQUIUM

2014 年 第 08 次 / Number 08 2014

**Time: Wednesday 2:30 PM, Feb. 26 Location: A601 NAOC**

## Extragalactic Science with Wide-field Infrared Survey Explorer (WISE)

**Dr. Lin Yan**

**IPAC/California Institute of Technology, USA**

Dr. Lin Yan is an associate research astronomer at Spitzer Science Center, Caltech. Her research interests are primarily galaxy formation and evolution at high redshift. The specific research topics include: extragalactic observational astrophysics; infrared luminous galaxies at  $z > 1$ ; near-IR and mid-IR spectroscopy; star formation and emission line galaxies at high redshifts; galaxy formation and evolution

### Abstract

Mid-IR all sky survey satellite --- WISE --- has imaged the sky from 3.4 - 24micron in a period of 13 months and was turned off in Feb 2011. The WISE data has been fully released to the world. In Dec 2013, the WISE satellite was turned back on again with the new funding from NASA. In this talk, I will present two examples of extragalactic science which utilize the large area of mid-IR data.

I will end the talk with discussions on the potential new science could be done with new, deeper WISE data and other large area optical surveys.



*All are welcome! Tea, coffee, biscuits will be served at 2:15 P.M.*