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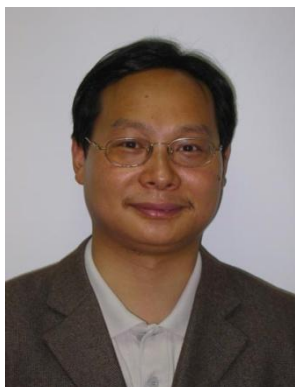
# 国台学术报告 NAOC COLLOQUIUM

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**Time: Wednesday 2:30 PM, Apr. 02 Location: A601 NAOC**

## Formation of planetary architecture and the detection of exoplanets in Antarctic

**Prof. Ji-Lin Zhou**



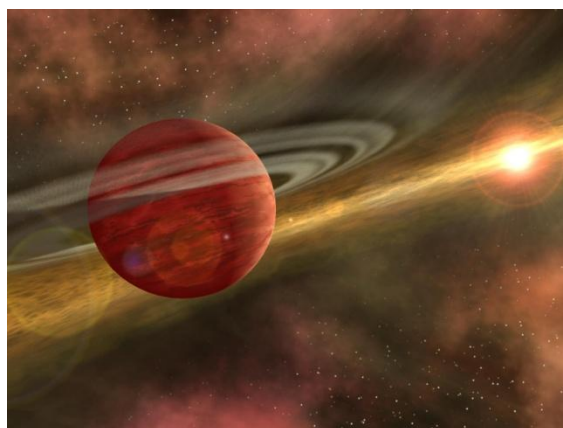
**School of Astronomy and Space Science, Nanjing University**

Jilin Zhou is a professor of astronomy at the School of Astronomy and Space Science, Nanjing University. He obtained his Ph.D in astronomy from Nanjing University in 1995, and has worked there since then. His research focuses on celestial mechanics and dynamical astronomy

### Abstract

Exoplanet detection and formation study is nowadays one of the most active areas in astronomy. Today, more than 1000 exoplanets are detected through various techniques. These systems show some notable orbital architecture, indicating that they might have met some different dynamical history. After a brief

review of the recent progress in understanding the formation of planetary orbits, I will introduce some recent works in our group including some mechanisms for explaining the planet systems, the identifications of several tens of Kepler planet through TTV, ect. Also, the progress of planetary transit survey in Dome A, Antarctic is reported. With the CSTAR 2008's data, we identified 6 planet candidates, which remains to be confirmed.



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