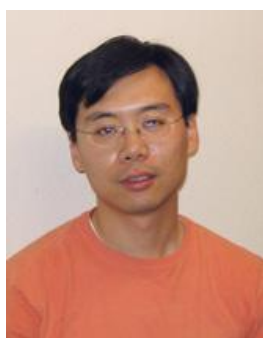


# 国台学术报告 NAOC COLLOQUIUM

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**TIME: Wednesday, 3:00 PM, July 04, 2012**      **LOCATION: A601 NAOC**

## Early Science from the Large Binocular Telescope: From Exoplanet to Reionization

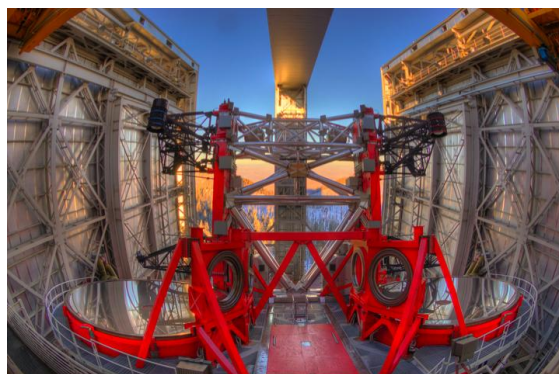


**Prof. Xiaohui Fan / 樊晓晖 (University of Arizona)**

Xiaohui Fan (樊晓晖) is a Professor of Astronomy at Steward Observatory, University of Arizona, USA and a Visiting Chair Professor of KIAA-PKU. He received his Bachelor degree from Nanjing University in 1992, and his Ph.D. from Princeton University in 2000 and joined the faculty at Arizona in 2002. His main research interests include the studies of high-redshift galaxies and quasars, cosmic reionization, evolution of supermassive black holes and large scale astronomical surveys. He is currently the Chairman of the Scientific and Technical Committee of the international Large Binocular Telescope project.

### Abstract

The Large Binocular Telescope is a large optical/IR telescope that utilizes two 8.4 meter primary mirrors, with combined light collection power of a 12 meter telescope, and resolution power of a 23 meter telescope. LBT, especially with its adaptive secondary mirrors, is also a testbed for advanced technology of the next generation large telescopes



such as the GMT. I will highlight a number of science results enabled by LBT's powerful instruments, including surveys of the most luminous galaxies and quasars in the infrared, and direct imaging of exoplanets with its unique AO system.

*All are welcome! Tea, coffee, biscuits will be served at 2:45 P.M.*

You are welcome to nominate speakers to Shude Mao ([shude.mao@gmail.com](mailto:shude.mao@gmail.com)), Licai Deng ([licai@bao.ac.cn](mailto:licai@bao.ac.cn)), Xuelei Chen ([xuelei@cosmology.bao.ac.cn](mailto:xuelei@cosmology.bao.ac.cn)).