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国台学术报告 NAOC COLLOQUIUM

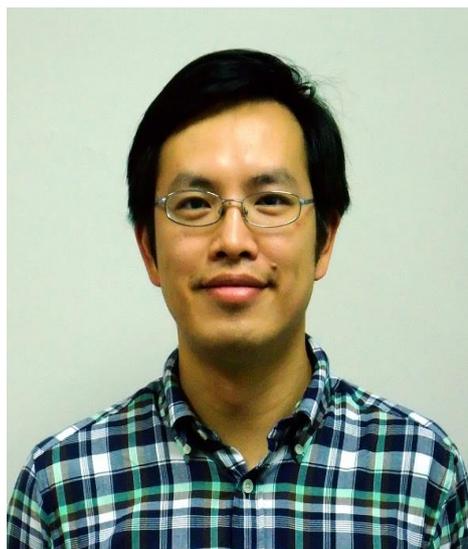
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Time: Wednesday 2:30 PM, Nov. 18 **Location: A601 NAOC**

Development of optical/infrared instrumentation capability in ASIAA

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Shinag-Yu Wang received his Ph.D. in electrical engineering from National Chiao Tung University in 1999. He joined the Institute of Astronomy and Astrophysics, Academia Sinica in 2000 leading the optical and infrared instrumentation projects. He was involved in several instrument projects including the WIRCam, Flyeyes and dome venting projects for CFHT, Hyper SuprimeCam for Subaru telescope. Currently, he is working on three instrumentation projects including SPIRou for CFHT, PFS for Subaru and TAOS II project. Scientifically, he is leading a small group for the study of TNOs through CFHT OSSOS survey, Subaru HSC survey and TAOS survey. He is currently the deputy director and a research fellow of ASIAA.

Abstract

Astronomical instrumentation is essential to the observational astronomy. Establishing such capability has been an important mission for ASIAA, in addition to the scientific research. The institute started with radio projects in the first decade and initiated the optical and infrared projects from year 2000. Astronomical instrumentation is quite unique regarding the requirements and environment of the instruments. It requires certain training even for experienced engineers in other fields to be accustomed. In this talk, I will briefly report on the on-going optical and infrared instrumentation projects in ASIAA including SPIRou for CFHT, PFS for Subaru and TAOS II project to explain the experience of how to develop the instrumentation group and laboratory. I will also share the difficulties encountered in the past 15 years.

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