

ALMA

2010

Novice User Workshop

Program - November 20 Sat.

Time	Topic	Speaker
9:30-9:40	Opening remark	
9:40-10:30	Introduction to ALMA	Sheng-Yuan Liu (ASIAA)
10:40-11:30	Radio astronomy and single-dish telescopes	Yi-Nan Chin (TKU)
11:40-12:30	Introduction to interferometry	Chin-Fei Lee (ASIAA)
14:10-15:00	Galactic sources and the Solar System	Yi-Jehng Kuan (NTNU)
15:10-16:00	Extragalactic astronomy	Chorng-Yuan Huang (NCU)
16:10-17:00	Tools for ALMA	Shigehisa Takakuwa (ASIAA)



Organized by National Taiwan Normal Univ. / ASIAA Sponsored by National Science Council

主辦單位：國立台灣師範大學地球科學系 / 中研院天文所 協辦單位：行政院國家科學委員會

<http://www.es.ntnu.edu.tw/tuCASA/novice-wksp>

UCAT and tuCASA: university efforts on ALMA-T

Yi-Jehng Kuan (管一政)

Dept of Earth Sciences, Nat'l Taiwan Normal University

ALMA Novice-User Workshop 2010

(NTNU, November 20, 2010)

ALMA-Taiwan

Taiwan's ALMA project, i.e., ALMA-Taiwan, consists of **two** principal user groups:

■ ASIAA:

mainly responsible for Taiwan's participation in

- the ALMA array construction and operation,
- support for Taiwan scientists during the operations phase,
- ensuring the best ALMA science.

ALMA-Taiwan

- UCAT, University Consortium of ALMA–Taiwan
 - to promote Taiwan’s ALMA Science primarily through the establishment of tuCASA – the UCAT Center for ALMA Science Advancement, (funded by the NSC, National Science Council)



UCAT

University Consortium of ALMA-T

- Conjoining *six* major universities in Taiwan

(In geographic order from the north to the south of Taiwan)

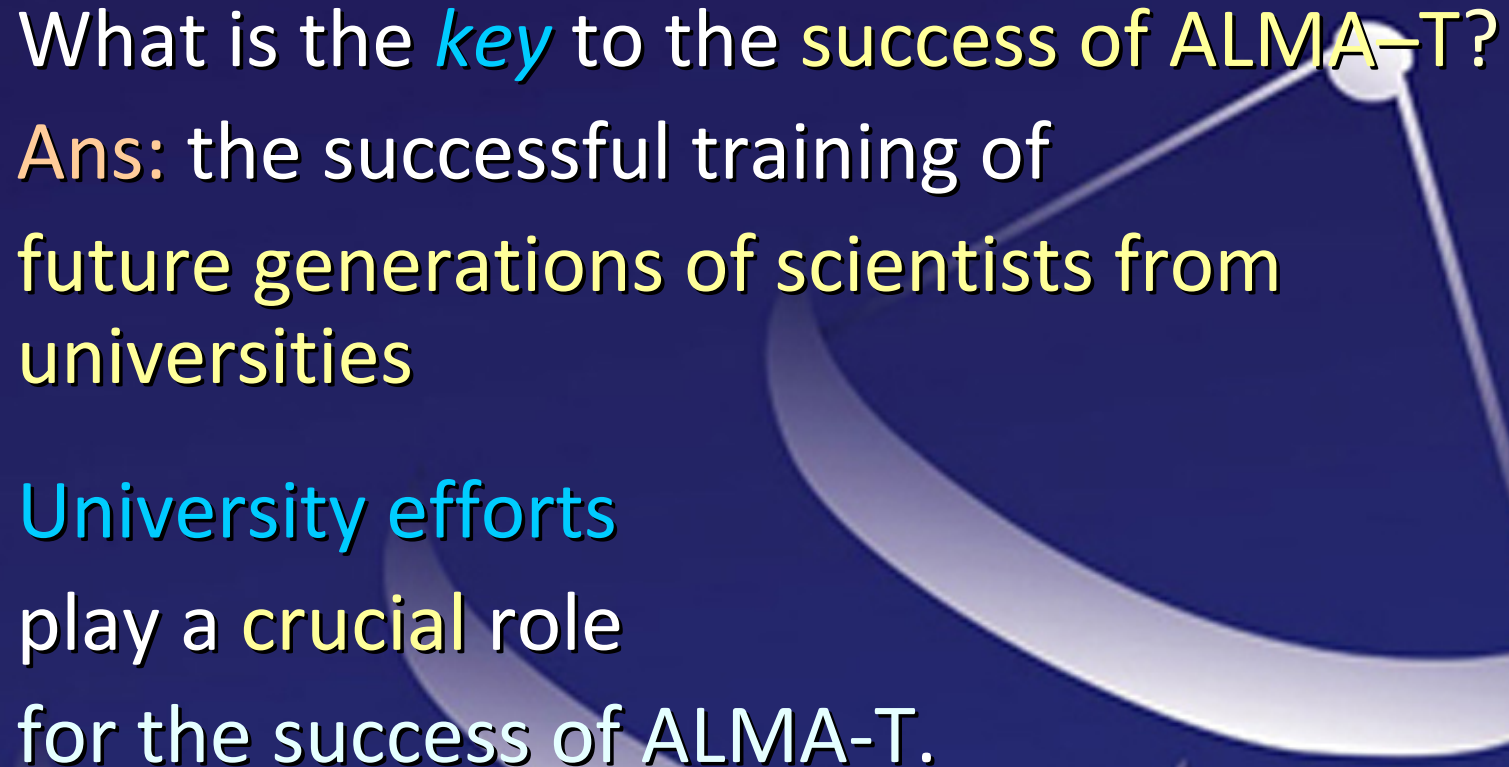
- Tamkang University 淡江大學 (TKU)
- National Taiwan Normal University 國立台灣師範大學 (NTNU)
- National Taiwan University 國立台灣大學 (NTU)
- National Central University 國立中央大學 (NCU)
- National Tsing Hua University 國立清華大學 (NTHU)
- National Cheng Kung University 國立成功大學 (NCKU)

UCAT Faculty members

- CHEN, Linwen 陳林文 NTNU
- CHEN, Vivien Huei-Ru 陳惠茹 NTHU
- CHEN, Wenping 陳文屏 NCU
- CHENG, Frank C-Z 陳秋榮 NCKU
- CHIN, Yinan 秦一男 TKU
- FOUCAUD, Sébastien 傅谷石 NTNU
- HASHIMOTO, Yasuhiro 橋本康弘 NTNU
- HWANG, Chorng-Yuan 黃崇源 NCU
- HWANG, W-Y Pauchy 黃偉彥 NTU
- IP, Wing-Huen 葉永烜 NCU
- KINOSHITA, Daisuke 木下大輔 NCU
- KONG, Albert 江國興 NTHU
- KUAN, Yi-Jehng 管一政 NTNU
- LAI, Shih-Ping 賴詩萍 NTHU
- URATA, Yuji 浦田裕次 NCU
- WU, Jiun-Huei Protty 吳俊輝 NTU
- YO, Hwei-Jang 游輝樟 NCKU

University involvement, why?



- What is the *key* to the success of ALMA-T?
Ans: the successful training of future generations of scientists from universities
 - University efforts play a crucial role for the success of ALMA-T.
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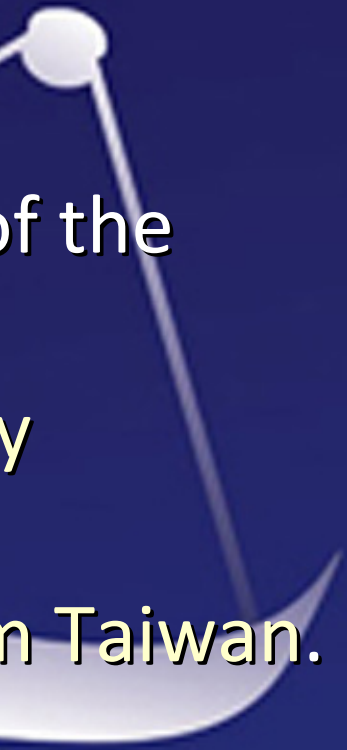
tuCASA: an integrated project w/ 3 subprojects

- tuCASA: the UCAT Center for ALMA Science Advancement (NTNU – PI: Kuan, Y.-J.)
 - Submillimeter Emission of Astrophysical Objects in the Universe-Observations with Atacama Millimeter/ Submillimeter Array (NCU – PI: Hwang, C.-Y.)
 - Stimulate Program for ALMA Science in NTHU (NTHU – PI: Chen, Vivien H.-R.)
 - Solar and Stellar Flares: ALMA Observation, Data Analysis and Theory (NCKU – PI: Chen, Frank C.-Z.)

tuCASA: the mission



- to widen the scope of university participation and **broaden the user pool** from local universities;
- to encourage more **competitive use** of the ALMA;
- to better prepare Taiwan's astronomy community for ALMA science;
- to ensure the **best ALMA science** from Taiwan.
 - <http://www.es.ntnu.edu.tw/tuCASA/>



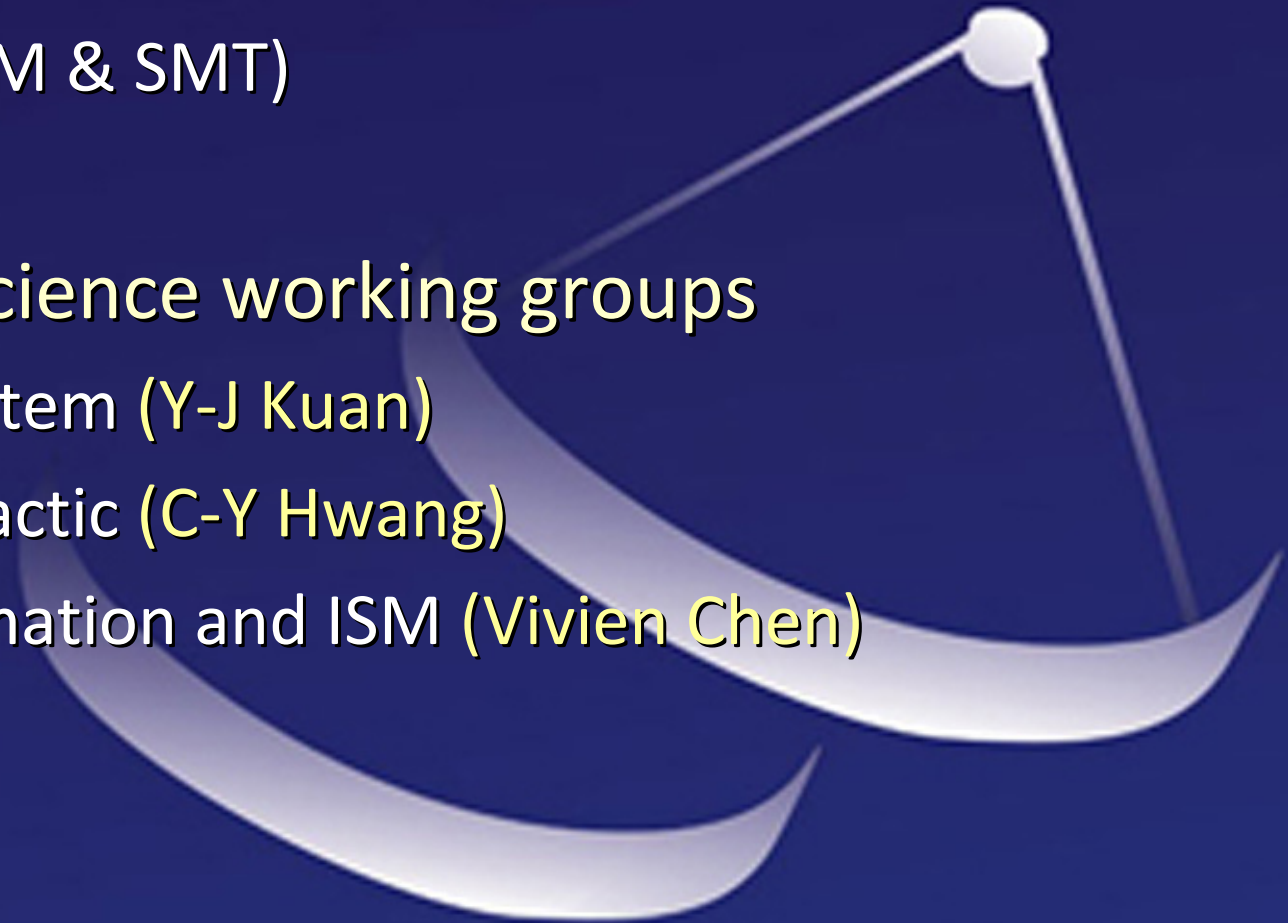
tuCASA: student training

- tuCASA graduate-student fellowships
 - will provide airfare, up to NT\$50k each, for international conferences and/or workshops, to five best (radio- or ALMA-) working graduate students.
 - Each member university will receive one tuCASA fellowship.
 - Each member university needs to nominate her best graduate student for this tuCASA fellowship award.
- ALMA-T summer (undergraduate) student program
 - Date: summer 2011
 - Place: TBD
 - ASIAA will be the cosponsor

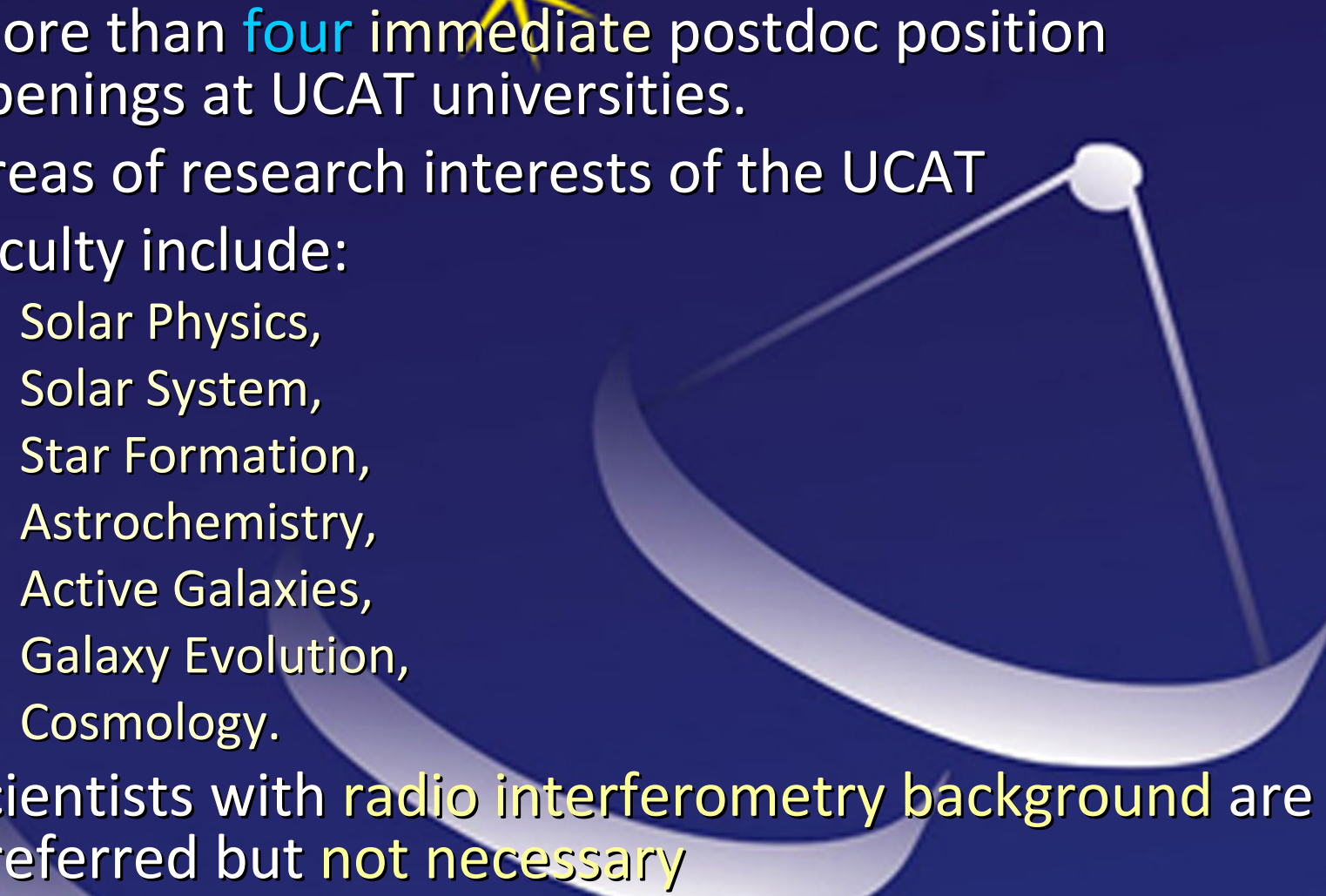
tuCASA: other service



- Telescope time subscription
 - ARO (12M & SMT)
 - CFHT
- ALMA-T science working groups
 - Solar system (Y-J Kuan)
 - Extragalactic (C-Y Hwang)
 - Star formation and ISM (Vivien Chen)
- EPO



tuCASA: postdoctoral recruitment

- 
- More than **four** immediate postdoc position openings at UCAT universities.
 - Areas of research interests of the UCAT faculty include:
 - Solar Physics,
 - Solar System,
 - Star Formation,
 - Astrochemistry,
 - Active Galaxies,
 - Galaxy Evolution,
 - Cosmology.
 - Scientists with **radio interferometry** background are preferred but not necessary
 - Deadline: **Dec 01, 2010**



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組織委員會 / Organizing Committee

陳惠茹 (國立清華大學)
Vivien Chen (NTHU)

黃崇源 (國立中央大學)

Chorng-Yuan Hwang (co-Chair, NCU)

管一政 (國立台灣師範大學)

Yi-Jehng Kuan (co-Chair, NTNU)

賴詩萍 (國立清華大學)

Shih-Ping Lai (NTHU)

李景輝 (中央研究院天文所)

Chin-Fei Lee (ASIAA)



date :

2010/11/20 Sat.

location :

RM S102 TEACHING & RESEARCH BLDG.
SHIDA SCIENCE CAMPUS
(師大分部 教學研究大樓 S102)

Organized by National Taiwan Normal Univ. / ASIAA
Sponsored by National Science Council

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