

Chao-Ling Hung – *Curriculum Vitae*

PERSONAL INFORMATION

Chao-Ling Hung
Harlan J. Smith Postdoctoral Fellow
Department of Astronomy, University of Texas at Austin
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EDUCATION

University of Hawaii – Ph.D. in Astronomy (2015)
Supervisor: Professor David B. Sanders
Dissertation title: *Origin and Evolution of High-z (U)LIRGs: Mergers or Secular Disks?*

National Tsing Hua University – M.S. in Astronomy (2010)
Supervisor: Professor Shih-Ping Lai
Thesis title: *Chemical and dynamical properties of a Very Low Luminosity Object — DCE065*

National Tsing Hua University – B.S. in Physics (2008)

RESEARCH INTERESTS

Galaxy formation and evolution, star formation at high-redshift, structure and dynamics of interacting and high-redshift galaxies, galaxy environments

TEACHING AND MENTORING

Mentor of UT Austin undergraduate researcher: Richard Seifert (2016)
Mentor of TAURUS summer researcher: Derek Holman (2016)
ISEE PDP Participant (designed/facilitated an inquiry-based activity, 2016)
Mentor of high school researcher: Aaron Weiner (2014)
Astronomy 110 Instructor (co-taught a summer introductory course, 2012)

SERVICE

Spitzer Cycle 13 panelist (2016)
Referee of MNRAS (2015-*Present*)
Colloquium student representative at IfA, Hawaii (09/2013-01/2014)
Graduate Research Oversight Committee at IfA, Hawaii (09/2012-06/2013)

AWARDS AND
GRANTS

Harlan J. Smith Post-doctoral Fellowship (2015-18; \$210,000)
University of Hawaii Student Excellence in Research (2015; \$1,000)
Smithsonian Astrophysical Observatory Predoctoral Fellowship (2014-15)
AAS International Travel Grant (2014)
University of Hawaii GSO Travel Grant (2013)
Friends of Institute for Astronomy Research Award (2012)

- *Outstanding Master's-level research, awarded once per year.*

Chien-Shiung Wu Scholarship, Taiwan (2010)

- *Top 3 female graduate students in physics, awarded once per year.*

Graduate Students Thesis Scholarship, Taiwan – Honorable Mention (2010)

- *Outstanding thesis in physics, awarded once per year.*

TALKS
IN 2016

Mapping Galaxy Evolution Pathway Conference, Avalon, CA (08/2016)
Astronomy Colloquium, NTHU, Taiwan (05/2016, *Invited*)
Astronomy Seminar, ASIAA, Taiwan (05/2016)
Purdue University, Astrophysics Seminar (04/2016, *Invited*)
The University of Texas at Austin, Extragalactic Seminar (03/2016)

DATA AND
OBSERVING
EXPERIENCE

Observing time granted as PI:
Optical & Near-Infrared: Subaru (HSC): 1 night; Keck (NIRC 2): 2 nights;
UH 2.2-meter (SNIFS): 9 nights
Submillimeter & Radio: SMA: 3 nights; ARO SMT/12-meter: 21 hours
Data reduction and analysis:
Optical/NIR imaging and spectroscopic data including *HST* ACS/WFC3,
Keck NIRC2 & DEIMOS, Subaru Suprime-Cam & HSC, CFHT WIRCam.
Submillimeter single-dish and interferometric data including SMA, JCMT
Scuba-2, SMT, ARO 12-meter.
Collaborations:
Member of COSMOS and SuperCLASS collaborations

REFERENCE

Prof. David B. Sanders University of Hawaii (sanders@ifa.hawaii.edu)
 Prof. Caitlin M. Casey University of Texas at Austin (cmcasey@astro.as.utexas.edu)
 Dr. Lisa Hunter Institute for Scientist and Engineer Educators,
 University of California, Santa Cruz (lhunter@ucsc.edu)
 Dr. Howard A. Smith Smithsonian Astrophysical Observatory
 (hsmith@cfa.harvard.edu)
 Prof. Caitlin M. Casey and Dr. Lisa Hunter can comment on my teaching and mentoring experience.

PUBLICATION LIST

First Author Refereed Papers:

Hung, C.-L., Casey, C. M., Chiang, Y.-K. et al. 2016 ApJ, 826, 130; *Large scale structure around a $z = 2.1$ cluster*
Hung, C.-L., Hayward, C. C., Smith, H. A. et al. 2016 ApJ, 816, 99; *Merger Signatures in the Dynamics of Star-forming Gas*
Hung, C.-L., Rich, J. A., Yuan, T. et al. 2015, ApJ, 803, 62; *Kinematic classification of local interacting galaxies: Implications for the merger/disk classifications at high- z*
Hung, C.-L., Sanders, D. B., Casey, C. M. et al. 2014, ApJ, 791, 63; *A comparison of the morphological properties between local and $z \sim 1$ infrared-luminous galaxies. Are local and high- z (U)LIRGs different?*
Hung, C.-L., Sanders, D. B., Casey, C. M. et al. 2013, ApJ, 778, 2, p.129; *The role of galaxy interaction in the SFR-M relation: characterizing morphological properties of Herschel-selected galaxies at $0.2 < z < 1.5$*
Hung, C.-L. & Ebeling, H., 2012, MNRAS, 421, 4, p.3229; *Galaxy alignments in very X-ray luminous clusters at $z > 0.5$,*
Hung, C.-L., Lai, S.-P., & Yan, C.-H. 2010, ApJ, 710, 1, p.207; *The evolution of density structure of starless and protostellar cores*

Non-first Author Refereed Papers:

Risley, C. J. et al. [including **Hung, C.-L.**] 2016, MNRAS, 462, 917; *Deep observations of the Super-CLASS supercluster at 325 MHz with the GMRT: the low-frequency source catalogue*
 Martínez-Galarza, J. R. et al. [including **Weiner, A.[†]**, **Hung, C.-L.**] 2016, ApJ, 817, 76; *Variations of the ISM conditions across the main sequence of star-forming galaxies: observations and simulations*
[†]High school researcher supervised in 2014.
 Hsieh, T.-H. et al. [including **Hung, C.-L.**] 2015, ApJ, 802, 126; *Properties of the molecular cores of Low Luminosity Objects*
 Lee, N. et al. [including **Hung, C.-L.**] 2015, ApJ, 801, 80; *A turnover in the galaxy main sequence of star formation at $M \sim 10^{10} M_{\odot}$*

Koss, M. et al. [including **Hung, C.-L.**] 2014 MNRAS, 445, 515; *SDSS1133: An unusually persistent transient in a nearby dwarf galaxy*
<http://www.nasa.gov/content/goddard/nasas-swift-mission-probes-an-exotic-object>

Lee, N. et al. [including **Hung, C.-L.**] 2013, ApJ, 778, 2, p.131; *Multi-wavelength SEDs of Herschel selected galaxies in the COSMOS field*