



Research Field: Small Solar System Bodies

Focused Field: Physical and Dynamical Characterisation

SHORT BIO

I graduated from Wuhan University with a B.Sc. degree in physics in 2012. The following year had to be a gap year in my career because all of my applications for pursuing a PhD programmes were rejected. After a few attempts, I was finally offered a graduate programme working with the prestigious astronomer Dr. David Jewitt, in the Department of Earth, Planetary, and Space Sciences, at University of California, Los Angeles (UCLA), starting from the autumn of 2014.

I received my PhD degree in 2019, after which I moved to the Institute for Astronomy (IfA), University of Hawaii at Mānoa, working with Dr. David J. Tholen, as an NEO Follow-Up postdoctoral fellow. However, my career at IfA came to an abrupt end, because of the outbreak of the COVID19 pandemic, preventing me from returning to the US in time. Given the pandemic situation, in 2020 I accepted the offer from the State Key Laboratory, Macau University of Science and Technology, as an assistant professor to continue my academic research.

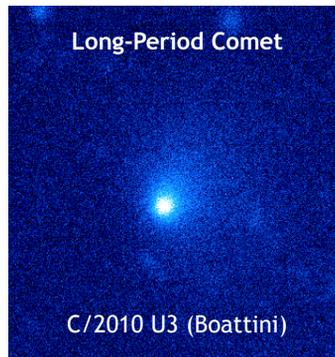
Assistant Professor

Man-To Hui
(許文韜)



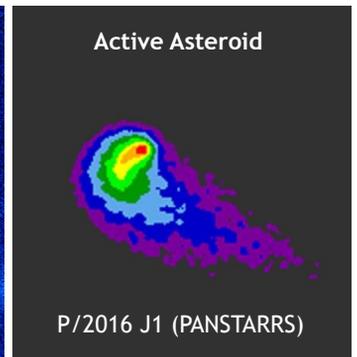
PhD: Planetary Sciences
MS: Planetary Sciences
BSc: Physics

UCLA
UCLA
Wuhan University



Long-Period Comet

C/2010 U3 (Boattini)



Active Asteroid

P/2016 J1 (PANSTARRS)

FIRST-AUTHORED PUBLICATIONS

- Hui, M.-T., Wiegert, P., Tholen, D. J., & Föhring (2021). "The Second Earth Trojan 2020 XL₅". ApJL, in press.
- Hui, M.-T., Ye, Q.-Z., Föhring, D., Hung, D., & Tholen, D. J. (2020). "Physical Characterization of Interstellar Comet 2I/2019 Q4 (Borisov)". AJ, 160, 92.
- Hui, M.-T. & Ye, Q.-Z. (2020). "Observations of Disintegrating Long-period Comet C/2019 Y4 (ATLAS): A Sibling of C/1844 Y1 (Great Comet)". AJ, 160, 91.
- Hui, M.-T. & Knight, M. (2019). "New Insights into Interstellar Object 1I/2017 U1 ('Oumuamua) from SOHO/STEREO Nondetections". AJ, 158, 256.
- Hui, M.-T., Kim, Y., & Gao, X. (2019). "New Active Asteroid (6478) Gault". MNRAS, 488, L143.
- Hui, M.-T., Farnocchia, D., & Micheli, M. (2019). "C/2010 U3 (Boattini): A Bizarre Comet Active at Record Heliocentric Distance". AJ, 157, 162.
- Hui, M.-T. & Li, J.-Y. (2018). "Is the Cometary Nucleus-extraction Technique Reliable?". PASP, 130, 104501.
- Hui, M.-T. (2018). "Two Hyperbolic Baldheads in the Solar System: 2017 U7 and 2018 C2". AJ, 156, 73.
- Hui, M.-T., Jewitt, D., & Clark, D. (2018). "Prediscovery Observations of and Orbit of Comet C/2017 K2 (PANSTARRS)". AJ, 155, 25.

... Publications before 2018 not shown ...

PROFESSIONAL EXPERIENCE

- 01.2021 – Assistant Professor, Macau University of Science and Technology
09.2019 – 07.2020 NEO Follow-Up Fellow, Institute for Astronomy, University of Hawaii at Mānoa
09.2014 – 03.2019 Research/Teaching Assistant, University of California, Los Angeles

OBSERVING EXPERIENCE

- 2019 – 2020 University of Hawaii 2.2 m telescope
2016 – 2019 WIYN 0.9 m telescope, Kitt Peak National Observatory
02.2015 Keck I 10 m telescope, Mauna Kea Observatory
... Observing experience w/o in-person operation not shown ...

RECENT AWARDS & HONOURS

- 2021 Naming of Asteroid (51166) Huimanto = 2000 HW63
2018-2019 Dissertation Year Fellowship of UCLA

