Ben Wei Peng, Lew

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Lunar and Planetary Laboratory/Department of Planetary Science
The University of Arizona
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Education

In progress Ph.D. Planetary Science, University of Arizona (UA), Tucson, AZ
Minor: Astrobiology

2015 B.Sc. in Physics, National Tsing Hua University, Hsinchu, Taiwan

First-Author Publications and Presentations

2017 **ESO (Santiago) Thirty-Minute Talks**

– "*Cloud Atlas: Discovery of Dusty Clouds and High-amplitude Rotational Modulations In a Young, Red Brown Dwarf*"

2017 **ESO (Garching) Star & Planet Formation Seminar**

– "*Discovery of Dusty Clouds and High-amplitude Rotational Modulations In a Young, Red Brown Dwarf*"

2016 **Ben W.P. Lew et al**., *The Astrophysical Journal Letters*

– *"Cloud Atlas: Discovery of Patchy Clouds and High-Amplitude Rotational Modulations in a Young, Extremely Red L-Type Brown Dwarf*"

Selected Research and Teaching Experience

2015- **Graduate Research Associate**, Advisor: Dr. Daniel Apai (UA)

– *Cloud Atlas: Vertical Cloud Structure and Gravity in Exoplanet and Brown Dwarf Atmospheres,* HST Large Treasury program

2017 spring **Graduate Teaching Associate**, Advisor: Dr. Christopher Hamilton (UA)

– *"Planet Earth: Evolution of the Habitable World"*

2014-2015 **Undergraduate research**, Advisor: Dr. Albert Kong (Taiwan NTHU)

– *Identify the optical counterpart of black hole binary MAXI J1659-152 (Taiwan National Science Council Undergraduate Research Project)*

2014 **Summer research**, Advisor: Dr. Rosanne Di Stefano (CfA)
- *Microlensing Events Modeling and Analysis*

2013 **Summer research**, Advisor: Dr. Naomi Hirano (Taiwan ASIAA)
- *Submillimeter imaging of the "first hydrostatic core" candidate*

Approved Proposal and Awards

2018 Galileo Circle Scholarship

2017 **P.I.,** 7 nights awarded for New Technology Telescope (ESO)
- *Red Dwarfs are slow: Is the Near-Infrared Color Anomaly in Brown Dwarfs due to Rotationally Suppressed Vertical Mixing?*

2017 **P.I.**, 4 nights awarded for Bok Telescope (UA)
- *Red Dwarfs are slow: Is the Near-Infrared Color Anomaly in Brown Dwarfs due to Rotationally Suppressed Vertical Mixing?*

2016-2017 Technology Research Initiative Fund (TRIF) Imaging Fellowship

2015 UST-GUAS Winter School Scholarship

2014 Ta-You Wu Scholarship