

Yuhui Tang

Lunar and Planetary Laboratory, University of Arizona
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Education

- **PhD** – Planetary Science, University of Arizona, *Current*
- **MS** – Planetary Science, Minor in Optics, University of Arizona, 2021
- **BA** – Physics with Astronomy Concentration, Cornell University, 2018

Academic Awards and Fellowships

University Fellow Cohort (2018-2019)
Cornell University Dean's list (2015-2016)

Professional Experience:

Current Position:

2018 – *current* **Graduate Research Associate**, Lunar and Planetary Laboratory, University of Arizona
Surveying and modeling surface evolution on Bennu and other small bodies
Advisor: Dante Lauretta

2022 – *current* **NASA SCoPE Mission Liasson**, Subject Matter Expert for the OSIRIS-Rex mission

Spring 2024 **Graduate Teaching Associate**, Lunar and Planetary Laboratory, University of Arizona
PTYS 475/575 Planetary Astrobiology, Supervisor: Sukrit Ranjan

Previous Positions:

Fall 2023 **Graduate Teaching Associate**, Lunar and Planetary Laboratory, University of Arizona
PTYS 212 The Science and Politics of Climate Change, Supervisor: Tommi Koskinen

Fall 2021 **Graduate Teaching Associate**, Lunar and Planetary Laboratory, University of Arizona
PTYS 170B2 Universe and Humanity, Supervisor: Tommi Koskinen

2015 – 2018 **Undergraduate Student Researcher**: Alexander Hayes, Cornell University

Professional Services

Lunar and Planetary Laboratory, Graduate Representative to the Faculty (2022 – 2024)

Technical Skills

Proficient in Python, ArcGIS, Matlab, ISIS3, LaTeX, Microsoft Office Products, and Adobe Suite Products

Publications

- [6] **Y. Tang**, D.S. Lauretta, R.-L. Ballouz, et al., Characterization and implications of a mass movement site in Bennu's Bralgah Crater. *Icarus*, In revision Mar. 2024
- [5] **Y. Tang**, D.S. Lauretta, R.-L. Ballouz, et al., Simulating Impact-Induced Shaking as a Triggering Mechanism for Mass Movements on Bennu. *Icarus*, 2023
- [4] C.A. Bennett, et al., A high-resolution global Basemap of (101955) Bennu. *Icarus* 2020
- [3] S.P.D. Birch, A.G. Hayes, O.M. Umurhan, **Tang, Y.**, J.-B. Vincent, N. Oklay, et al., Migrating scarps as a significant driver for cometary surface evolution. *GRL* 2019
- [2] **Y. Tang**, S.P.D. Birch, A.G. Hayes, R. Kirk, N. Kutsop, J.-B. Vincent, S.W. Squyres, Generation of Photoclinometric DTMs for Application to Transient Changes on the Surface of Comet 67P/Churyumov-Gerasimenko. *A&A*, 2019

- [1] S.P.D. Birch, **Y. Tang**, A.G. Hayes, R.L. Kirk, D. Bodewits, H. Campins, Y. Fernandez, R. de Freitas Bart, N.W. Kutsop, H. Sierks, J.M. Soderblom, S.W. Squyres, J-B. Vincent, Geomorphology of Comet 67P/Churyumov-Gerasimenko. *MNRAS*, 2017

Conference Abstracts / Proceedings

- [8] **Y. Tang** et al, Influences of Inertial Forces on the Surface Evolution of Bennu and Other Rubble-Pile Asteroids. *LPSC*, The Woodlands, TX, March 2024
- [7] **Y. Tang** et al, Characterization of a mass movement site in Bennu's Bralgah Crater and implications for other asteroids. *Hayabusa2 Symposium 2023*, JAXA Sagamihara Campus, Sagamihara, Japan, November 2023
- [6] **Y. Tang** et al, Mass Movement and Preferential Boulder Orientations at the Sandpiper Site on Asteroid Bennu. *LPSC*, The Woodlands, TX, March 2023
- [5] **Y. Tang** et al, Simulation and Analysis of Mass Movement Events on Asteroid Bennu. *LPSC*, The Woodlands, TX, March 2022
- [4] **Y. Tang** et al, Analysis and Simulation of Boulder Mass Movement Sites on Asteroid Bennu. *LPSC*, Online, March 2021
- [3] **Y. Tang** et al, Evidence of Boulder Mass Movement in the Northern Latitudes of Asteroid Bennu and Implications for its Surface Evolution. *JpGU-AGU Joint Meeting 2020*, Online, July 2020.
- [2] **Y. Tang** et al, Quantifying Dynamic Changes on the Surface of Comet 67P/Churyumov-Gerasimenko Using High-Resolution Photoclinometry DTMs. *AGU*, New Orleans, Louisiana, December 2017.
- [1] **Y. Tang** et al, Boulder Size Frequency Distributions on Comet 67P/Churyumov-Gerasimenko. *LPSC*, The Woodlands, TX, March 2017.