Wenhan ZHOU

Observatoire de la Côte d'Azur, Nice, France

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Updated July 13, 2024

EDUCATION

Université de la Côte d'Azur, Observatoire de la Côte d'Azur
Ph.D. in Astrophysics (supervisor: Patrick Michel)

University of Hong Kong
M.Phil. in Physics (supervisor: Meng Su)

Wuhan University
B.Eng. in Energy and Power Engineering

Nice, France

Dec. 2024 (expected)

Hong Kong, China

Sep. 2018 – Apr. 2021

Wuhan, China

Sep. 2014 - June 2018

EXPERIENCE

The University of Tokyo Tokyo, Japan Visiting scholar (host: Seiji Sugita) Aug. 2024 - Sep. 2024 (expected) **Charles University** Prague, Czech Republic Visiting scholar (host: David Vokrouhlický) May 2024 - Jun. 2024 Origin Space Ltd. Beijing, China Research assistant (supervisor: Meng Su) Jun. 2021 - Dec. 2021 **University of Hong Kong** Hong Kong, China Teaching assistant (supervisor: Man Kit Yip) Sep. 2018 – Aug. 2020

PUBLICATIONS (7 first-author papers including 1 sole-author paper)

1. **Zhou, W. H.**, Michel, P., Delbo, M., Wang, W., Wang, Y., Durech, J., & Hanus, J (under revision).

Highlight: supervised a master student.

2. **Zhou, W. H.**, Vokroulicky, D., Kanamaru, M., Agrusa, H, Delbo, P. Pravec, M., & Michel, P. (2024). The Yarkovsky effect on the long-term evolution of binary asteroids. *Astrophysical Journal Letters*, 968, L3.

Highlight: Provides new insight on long term dynamics of binary asteroid systems.

- 3. **Zhou, W. H.**, Liu, S., & Lin, D. C. (2024). White Dwarf Magnetospheres: Shielding Volatile Content of Icy Objects and Implications for Volatile Pollution Scarcity. *Astronomy & Astrophysics*, 687, A107.
- 4. **Zhou, W. H.**, & Michel, P. (2024). A semi-analytical thermal model for craters with application to the crater-induced YORP effect. *Astronomy & Astrophysics*, 682, A130.
- 5. **Zhou, W. H.**, Zhang, Y., Yan, X., & Michel, P. (2022). The crater-induced YORP effect. *Astronomy & Astrophysics*, 668, A70.
- 6. **Zhou, W. H.**, Liu, S. F., Zhang, Y., & Lin, D. N. (2022). Observable tests for the light-sail scenario of interstellar objects. *Astronomy & Astrophysics*, 667, A108.
- 7. **Zhou, W. H.** (2020). 'Oumuamua's Rotation with the Mechanical Torque Produced by Interstellar Medium. *The Astrophysical Journal*, 899(1), 42.
- 8. Ren, B. B., Rebollido, I., Choquet, É., **Zhou, W. H.**, Perrin, M. D., Schneider, G., ... & Soummer, R. (2023). Debris Disk Color with the Hubble Space Telescope. *Astronomy &*

➤ Oral presentation: The Yarkovsky effect on binary asteroids. HERA International Workshop 2024 ESTIEC, Noordwijk, Netherland Winter School on small bodies in the Solar System Ecole de Physique des Houches, Les Houches, France HERA International Workshop 2023 ESTIEC, Noordwijk, Netherland 4th Workshop on Thermal Models for Planetary Science ESTEC, Noordwijk, Netherland 4th Workshop on Thermal Models for Planetary Science ESTEC, Noordwijk, Netherland Oral presentation: A Semi-analytical Thermal Model for Craters with Application to the Crater-induced YORP Effect. Workshop on applications of radar instruments in planetary science Beijing, China (online) ➤ Oral presentation: The YORP and Yarkovsky effects in Solar system asteroids. EPSC Meeting 2022 Sep. 2022 Granada, Spain ➤ Oral presentation: The crater-induced YORP effect. HERA International Workshop 2022 May. 2023 Nice, France EPSC-DPS Joint Meeting 2019 Geneva, Switzerland ➤ Poster: Interstellar Object Rotation with the Mechanical Torque Produced by Interstellar Medium International Symposium on Asteroids and Comets Gravity and Interiors China Oral presentation: Discovery of Interstellar Object 'Oumuamua and Future Astronomical Detection AWARDS ARC-Space Joint Research Program The University of Aizu Early Career Professional and Student bursaries EPSC Meeting 2024 Outgoing Mobility Aid For the Academic Year 2023-2024 University Career Researcher Travel Support 4th Workshop on Thermal Models for Planetary Science Early Career Professional and Student bursaries Early Career Professional and Student bursaries EPSC Meeting 2022 Postgraduate Fellowship University of Hong Kong University of Hong Kong University Scholarship Wuhan University	Dynamics and physics in the solar system	Jun. 2024
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	STUDENT SUPERVISION	

Bonny Y. Wang (Master student)

2023

Carnegie Mellon University; Center for Computational Astrophysics

Identifying the gap in the rotation distribution of asteroids by a semi-supervised machine learning method