

Wenhan ZHOU

Observatoire de la Côte d'Azur, Nice, France

Email: wenhan.zhou@oca.eu

Tel: +33 0767687223

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EDUCATION

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| Université de la Côte d'Azur, Observatoire de la Côte d'Azur | Nice, France |
| Ph.D. in Astrophysics (supervisor: Patrick Michel) | Dec. 2024 (<i>expected</i>) |
| University of Hong Kong | Hong Kong, China |
| M.Phil. in Physics (supervisor: Meng Su) | Sep. 2018 – Apr. 2021 |
| Wuhan University | Wuhan, China |
| B.Eng. in Energy and Power Engineering | Sep. 2014 - June 2018 |

EXPERIENCE

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| The University of Tokyo | Tokyo, Japan |
| Visiting scholar (host: Seiji Sugita) | Aug. 2024 - Sep. 2024 (<i>expected</i>) |
| 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.**, Vokrouhlicky, 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 & Astrophysics*, 672, A114.

CONFERENCES/WORKSHOPS

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| Dynamics and physics in the solar system University of Pisa, Pisa, Italy ➤ Oral presentation: The Yarkovsky effect on binary asteroids. | <i>Jun. 2024</i> |
| HERA International Workshop 2024 ESTEC, Noordwijk, Netherland | <i>Apr. 2024</i> |
| Winter School on small bodies in the Solar System Ecole de Physique des Houches, Les Houches, France | <i>Oct. 2023</i> |
| HERA International Workshop 2023 ESTEC, Noordwijk, Netherland | <i>Oct. 2023</i> |
| 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. | <i>Apr. 2023</i> |
| Workshop on applications of radar instruments in planetary science Beijing, China (online) ➤ Oral presentation: The YORP and Yarkovsky effects in Solar system asteroids. | <i>Jan. 2023</i> |
| EPSC Meeting 2022 Granada, Spain ➤ Oral presentation: The crater-induced YORP effect. | <i>Sep. 2022</i> |
| HERA International Workshop 2022 Nice, France | <i>May. 2022</i> |
| EPSC-DPS Joint Meeting 2019 Geneva, Switzerland ➤ Poster: Interstellar Object Rotation with the Mechanical Torque Produced by Interstellar Medium | <i>Sep. 2019</i> |
| International Symposium on Asteroids and Comets Gravity and Interiors China ➤ Oral presentation: Discovery of Interstellar Object ‘Oumuamua and Future Astronomical Detection | <i>Dec. 2018</i> |

AWARDS

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| Early Career Professional and Student bursaries EPSC Meeting 2024 | <i>Sep. 2024</i> |
| Outgoing Mobility Aid For the Academic Year 2023-2024 University Côte d’Azur | <i>Jun. 2024</i> |
| Early Career Researcher Travel Support 4th Workshop on Thermal Models for Planetary Science | <i>Apr. 2023</i> |
| Early Career Professional and Student bursaries EPSC Meeting 2022 | <i>Sep. 2022</i> |
| Postgraduate Fellowship University of Hong Kong | <i>Sep. 2018 – Aug. 2020</i> |
| University Scholarship Wuhan University | <i>2017</i> |

STUDENT SUPERVISION

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| Bonny Y. Wang (Master student) Carnegie Mellon University; Center for Computational Astrophysics <i>Identifying the gap in the rotation distribution of asteroids by a semi-supervised machine learning method</i> | <i>2023</i> |
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