

# Wenhan ZHOU

Observatoire de la Côte d'Azur, Nice, France

Email: [wenhan.zhou@oca.eu](mailto:wenhan.zhou@oca.eu)

Tel: +33 0767687223

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## EDUCATION

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

## EXPERIENCE

<b>The University of Tokyo</b>	Tokyo, Japan
Visiting scholar (host: Seiji Sugita)	Aug. 2024 - Sep. 2024 ( <i>expected</i> )
<b>Charles University</b>	Prague, Czech Republic
Visiting scholar (host: David Vokrouhlický)	May 2024 - Jun. 2024
<b>Origin Space Ltd.</b>	Beijing, China
Research assistant (supervisor: Meng Su)	Jun. 2021 - Dec. 2021
<b>University of Hong Kong</b>	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

<b>Dynamics and physics in the solar system</b> University of Pisa, Pisa, Italy ➤ Oral presentation: The Yarkovsky effect on binary asteroids.	<i>Jun. 2024</i>
<b>HERA International Workshop 2024</b> ESTEC, Noordwijk, Netherland	<i>Apr. 2024</i>
<b>Winter School on small bodies in the Solar System</b> Ecole de Physique des Houches, Les Houches, France	<i>Feb. 2024</i>
<b>HERA International Workshop 2023</b> ESTEC, Noordwijk, Netherland	<i>Oct. 2023</i>
<b>4th Workshop on Thermal Models for Planetary Science</b> ESTEC, Noordwijk, Netherland ➤ Oral presentation: A Semi-analytical Thermal Model for Craters with Application to the Crater-induced YORP Effect.	<i>Apr. 2023</i>
<b>Workshop on applications of radar instruments in planetary science</b> Beijing, China (online) ➤ Oral presentation: The YORP and Yarkovsky effects in Solar system asteroids.	<i>Jan. 2023</i>
<b>EPSC Meeting 2022</b> Granada, Spain ➤ Oral presentation: The crater-induced YORP effect.	<i>Sep. 2022</i>
<b>HERA International Workshop 2022</b> Nice, France	<i>May. 2022</i>
<b>EPSC-DPS Joint Meeting 2019</b> Geneva, Switzerland ➤ Poster: Interstellar Object Rotation with the Mechanical Torque Produced by Interstellar Medium	<i>Sep. 2019</i>
<b>International Symposium on Asteroids and Comets Gravity and Interiors</b> China ➤ Oral presentation: Discovery of Interstellar Object ‘Oumuamua and Future Astronomical Detection	<i>Dec. 2018</i>

## AWARDS

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

## STUDENT SUPERVISION

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