



SHORT BIO

Following a B.Eng. degree in Safety Engineering at Beijing Institute of Technology (BIT, 2014), China, I was offered a PhD project in Mechanics, at BIT, China.

In 2021, I was offered a position as an assistant professor at the State Key Laboratory of Lunar and Planetary Science in Macau University of Science and Technology (MUST), Macau, China. I operate and maintain the impact loading facilities of the laboratory, and research on impact dynamics for planetary craters.

Asst. Prof.

Yang-Yu Lu



PhD: Mechanics

– Beijing Institute of Technology, China

B.Eng. : Mechanics Engineering

– Beijing Institute of Technology, China

KEY PUBLICATIONS *(selected)*

Lu, Y., et al., 2025.

*Hypervelocity Impact Experiments in Iron Alloy Targets. **Icarus.***

Lu, Y., et al., 2023.

*Experimental and theoretical study on cavitation of concrete targets penetrated by hypervelocity long rod projectiles. **Structures.***

Lu, Y., et al., 2021.

*Hypervelocity penetration of concrete targets with long-rod steel projectiles: experimental and theoretical analysis. **International Journal of Impact Engineering.***

Lu, Y., et al., 2020.

*Hypervelocity Impact Cratering on Semi-Infinite Concrete Targets of Projectiles with Different Length to Diameter Ratios. **Applied Sciences.***

PROFESSIONAL EXPERIENCE

Ongoing – 2021 – Macau University of Science and Technology, Macao (China) – Asst. Prof.

02/2014—06/2014 – University of Toronto, Toronto (Canada) – Visiting scholar

GRANTS

Science and Technology Development Fund of Macau (FDCT), 2025~2027, PI

National Natural Science Foundation of China (NSFC), 2023~2024, PI

Faculty Research Grants of the Macau University of Science and Technology, 2022~2023, PI