SHORT BIO

Prof.

Yi Xu

I obtained my B. Sc. Degree and Master Degree in Physics from Nanjing University, and the PhD degree from Department of Electrical and Computer Engineering at University of Pittsburgh, U.S. After graduation, I joined the research lab of AMD corp., Beijing as a senior researcher and worked on the field of computer architecture.

Since 2013, I have been working at the Space Science Institute/State Key Laboratory of Lunar and Planetary Science in Macao University of Science and Technology, China. My current research area is planetary surface processes and mainly focuses on subsurface stratigraphy and property inversion of subsurface materials based on the data of ground penetrating radar equipped on rover or spaceborne radar of the ongoing Chinese missions. I am also studying the geomorphologic features of landforms on Mars and Earth. I am teaching introduction to remote sensing to post-graduate students.
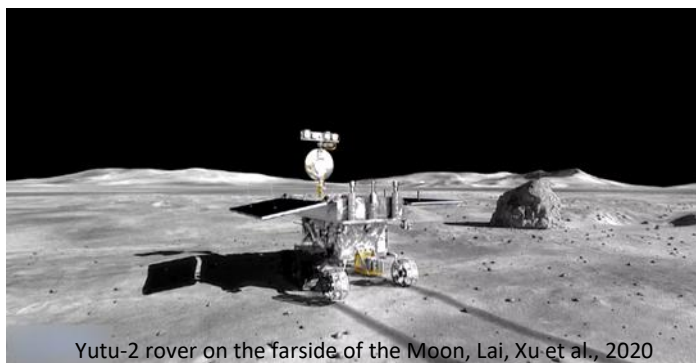
PhD: Electrical & Computer Engineering – University of Pittsburgh
Masters: Microelectronics – Nanjing University
Bachelor: Physics – Nanjing University

Yutu-2 rover on the farside of the Moon, Lai, Xu et al., 2020

KEY PUBLICATIONS (*corresponding author*)

J. Lai, **Y. Xu,** et al., 2020.
First look by the Yutu-2 rover at the deep subsurface structure at the lunar farside. **Nature Communications**

J. Lai, **Y Xu**, et al., 2019.
Comparison of dielectric properties and structure of lunar regolith at Chang'e-3 and Chang'e-4 landing sites revealed by ground-penetrating radar. **Geophysical Research Letters**

J. Lai, **Y.Xu,** et al., 2016.
Structural analysis of lunar subsurface with Chang 'E-3 lunar penetrating radar. **Planetary and Space Science**

PROFESSIONAL EXPERIENCE

2025 – Ongoing – *Macau University of Science and Technology (Macao) –Professor*

2021 – 2025 – *Macau University of Science and Technology (Macao) – Associate Professor*

2013 – 2021 – *Macau University of Science and Technology (Macao) – Assistant Professor*

2012 – 2013 – *AMD Inc. (Beijing) – Senior Researcher*

2007 – 2012 – *University of Pittsburgh (U.S.) – Research Assistant*

GRANTS

ORCID: 0000-0001-8894-525X
yixu@must.edu.mo