



Research Field: Remote Sensing

Focused Field: Modeling and Inversion of Chang'E MRMs' datasets

SHORT BIO

Following a B.Sc. degree in Electronic and Information Engineering– NanChang University (2006). I was offered a Master project led by Prof. WeiGuo, Electromagnetic field and microwave technology –HuaZhong University of Science and Technology .

After taking two years out to study for a master degree, I accepted a doctoral project at HuaZhong University of Science and Technology , working as a team leader of the lunar radiation modelling and processing of Chang'E Microwave radiometer datasets.

In 2014, I accepted a post-doctoral position at the Space Science Institute, Macau University of Science and Technology, working with Prof. Ao-Ao Xu and Prof. Yong-Chun Zheng.

In 2017 I was offered a position as an assistant professor at the State Key Laboratory in Macao (China), affiliated with the Chinese Space Admin. and I have been researching multiple aspects of planetary research with access to the data from the ongoing Chinese missions. I am also teaching a number of both undergraduate and post-graduate courses.

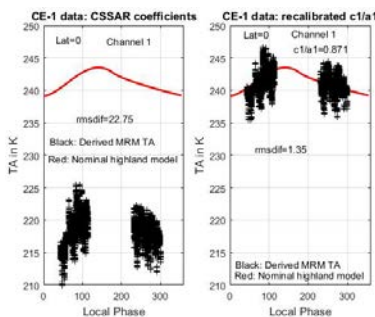
Asst. Prof.

Guo Ping Hu

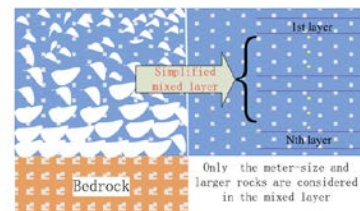
PhD: Electromagnetic field and microwave technology –HuaZhong University of Science and Technology

Masters: Electromagnetic field and microwave technology –HuaZhong University of Science and Technology

Degree: Electronic and Information Engineering– NanChang University



GP Hu, SJ Keihm(JPL), ZZ Wang, 2021



Guo- Ping Hu et al., 2018.

KEY PUBLICATIONS (first author)

GP Hu, SJ Keihm(JPL), ZZ Wang 2021

An in-flight Recalibration for Chang'E-1 and -2 Microwave Radiometer Datasets based Apollo Models IEEE Transactions on Geoscience and Remote Sensing

GP Hu, SJ Keihm(JPL).2020

Effects of lunar radiation on the cold sky horn of Chang'E-1 and-2 Microwave Radiometers IEEE Geoscience and Remote Sensing Letters

Guo- Ping Hu et al., 2018.

A Rock Model for the Cold and Hot Spots in the Chang'E Microwave Brightness Temperature Map IEEE Transactions on Geoscience and Remote Sensing

PROFESSIONAL EXPERIENCE

Ongoing – 2017 – Macau University of Science and Technology, Macao (China) – Asst. Prof.

2018– 2019 & 2016-2017 UCLA– Visiting scholar

2014– 2017 – Macau University of Science and Technology, Macao (China) – Post Doctoral

GRANTS

FDTC – 2019-2022 – Principal Investigator

Measurement and Application of the dielectric properties of Chang'E-5 lunar samples

NSFC Youth Found -2019-2022- – Principal Investigator

Inversion of rock abundance of the lunar subsurface based on the Chang'E-1 and -2 Microwave radiometers Datasets