教學人員簡介

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學歷

2013.12　華中科技大學　電磁場與微波技術 工學博士
2008.6　華中科技大學　電磁場與微波技術 工學碩士
2006.6　南昌大學　通信工程　工學學士

研究領域

月球與行星微波資料數據處理、理論建模與參數反演

工作經歷

2017.7-現在：澳門科技大學太空梭助理教授
2016.9-2016.12:美國加州大學洛杉磯分校，地球與行星科學系，訪問學者
2014.7-2017.6：澳門科技大學太空所博士後

研究項目

2016.12-至今 多源雷達資料對月球淺表層特性研究
2015.12-2017.12 月球與行星科學實驗室開放課題-基于多谱信息融合的嫦娥微波数
2015.5-2017.6 澳門科技發展基金-嫦娥微波輻射計數據的亮溫模型構建及應用研究
2014.7-2017.6 澳門科技發展基金-多波段月球探測數據的集成及綜合研究
2012.9-2014.3 毫米波綜合孔徑城像技術
2012.9-2014.3 典型THz目標輻射特性研究
2009.1-2012.7 月球微波輻射傳輸特性地面模擬驗證及月表參數反演
2006.9-2008.6 數字補償週期定標輻射計及定標技術的研究

專業資格認證及獎項

2009-2011 RIM公司科研獎學金

學術成果

期刊文章：

1. Guo- Ping Hu, Yong-Chun Zheng，Kwing L Chan, Ao-Ao Xu, " A Rock Model for the Cold and Hot Spots in the Chang'E Microwave Brightness Temperature Map", IEEE Transactions on Geoscience and Remote Sensing, vol.99, 2018.

2.Guo- Ping Hu , Kwing L.Chan, Yong- Chun Zheng, Kang T. Tsang, Ao-Ao Xu, " Comparison and evaluation of the Chang'E microwave radiometer data based on theoretical computation of brightness temperatures at the Apollo 15 and 17 sites" Icarus, Volume 294, 2017

3.Guo- Ping Hu , Yong- Chun Zheng, Ao-Ao Xu, Ze-Sheng Tang, " Microwave Brightness Temperature of the Moon: the Possibility of Setting a Calibration Source of the Lunar Surface" IEEE Geoscience and Remote Sensing Letters, Volume 13 , Issue 2,2016.

4.Guo- Ping Hu , Yong- Chun Zheng, Ao-Ao Xu, Ze-Sheng Tang, " Qualitative Verification of CE-2's Microwave Measurement: Relative Calibration based on Brightness Temperature Model and data Fusion" IEEE Transactions on Geoscience and Remote Sensing, Volume 54 , Issue 3,2016.

5.Guo- Ping Hu , Yong- Chun Zheng, Ao-Ao Xu, Ze-Sheng Tang, " Lunar Surface Temperature of Global Moon: Preparation of Database with Topographic and Albedo Effects" IEEE Geoscience and Remote Sensing Letters, Volume 13, Issue 1, 2016.

6.Guoping Hu, Ke Chen, Quanliang Huang. Et Al. Brightness Temperature Calculation of Lunar Crater: Interpretation of Topographic Effect on Microwave Data from Chang'E. IEEE Transactions on Geoscience and Remote Sensing Vol.52. Issue 8,2014, pp:4499 - 4510

7.Guo-Ping Hu, Wei Guo, Qing-Xia Li, Ke Chen. Microwave Brightness Temperature Features of Lunar Crater :Observation from Chang'E-1 Mission. Journal of Applied Remote Sensing, 7(1), 2013,doi:10.1117/1.JRS.7.073469.

8.胡國平，陳珂，李青俠，郭偉，“月球表面微波亮溫時變趨勢研究”，華中科技大學學報（自然科學版），vol.41(5), 2013.

會議論文：

1.G. P. Hu, Q. X. Li, Y. C. Zheng Et Al. Brightness temperature of the global moon: Comparison between theoretical simulation and observation by Chang'E-1 lunar orbiter. ICMMT 2010: 1735-1738, 2010.

2. 胡國平, 鄭永春, 許敖敖, 唐澤圣 "大起伏月表起伏亮溫計算" 第十一屆月球行星科學與探测學術研討會，貴陽，2014. 11

3.G. P. Hu, Y. C. Zheng, A.A.Xu, Z.S.Tang " BRIGHTNESS TEMPERATURE OVER CRATER TYCHO : OBSERVATION AND SIMULATION" 46th LPSC, Houston, 2015.3

4.G. P. Hu, Y. C. Zheng, A.A.Xu, Z.S.Tang " Temperature profile Simulation based on the Apollo Era in-suit measurements" 2th LDSE, BeiJing, 2015.9

5.Tsang Kang Too, Hu, Guo Ping, Zheng, Yong Chun, Chang'E Microwave Radiometer Data Re-Calibration by Data Mining，International Symposium on Lunar and Planetary Science, Wuhan, 2016.6.9-2016.6.10

6. Tsang Kang Too, Hu Guo Ping, Chan, Kwing Lam, Chang'E Microwave Radiometer Data Calibration with LRO Diviner Data and Machine Learning，Division for Planetary Sciences and the European Planetary Science Congress [DPS 48 /EPSC 11], Pasadena, 2016.10.16-

7. Zheng, Yong Chun, Chan, Kwing Lam, Zhu, Yong Chao, Hu, Guo Ping, Tsang ,Kang Too, Zou, Yong Liao, Ouyang, Zhi Yuan, Catalogue of Lunar thermal anomalies, 45th Lunar and Planetary Science Conference, Houston, 2014.3.17-2014.3.21

8. Zheng, Yong Chun, Zhu, Yong Chao, Hu, Guo Ping, Tsang Kang Too, Chan, Kwing Lam, Global Titanium Abundance of the Moon: Result from CE-2 Microwave Data Analysis, the 2nd International Forum on Lunar and Deep Space Exploration, BeiJing, 2015.9.7-2015.9.10

9.Guo- Ping Hu, Yong-Chun Zheng, Kwing L Chan, Ao-Ao Xu, "The potential constrains for the vertical variation in rock abundance of the moon by Chang'E microwave radiometer (MWR) observations",2018AOGS, Hawaii, 2018.6.2-6.8

10.Guo-ping Hu, R. Bugiolacchi, Kwing Lam Chan, Yong-chun Zheng, K. T. Tsang, "A NEW MAP OF THERMAL VARIATIONS with depth WITHIN OCEANUS PROCELLARUm and mare imbrium USING Chang'E-2 (CE-2) Microwave radiometers (MRMs) data",2018ILSPS, Macau, 2018.6.12-6.14