

宗秋刚

宗秋刚教授将于2023年9月1日就任澳门科技大学太空研究所所长、月球与行星科学国家重点实验室主任。

他于1986年获得四川大学物理系学士学位，1986年任中国科学院空间物理研究所（现中国科学院国家空间中心）助理研究员，并于1989年9月加入中国南极考察队，1994年德国留学，1999年1月获德国马普太阳系研究所/布伦瑞克技术大学博士学位。先后就职于德国马普太阳系研究所、波士顿大学空间研究中心、麻省大学Lowell、北京大学地空学院。在太空科学和太空探测领域做出了突出贡献，发表SCI论文300多篇，引1万2千多次，国内国际专利28项。宗秋刚带领团队开发了超高时空分辨率的新一代能量中性原子成像仪，并成功研制了具备国际领先水平的阵列能量电子探测器。所研制的仪器已搭载在我国北斗卫星、风云卫星和澳门科学卫星“1号”上等11颗卫星上，实现了我国对地球辐射带“杀手电子”动态变化的实地测量。利用自主探测数据，研发出“杀手电子”预报模型，已被纳入国家空间天气预警中心的标准预报模式。

宗秋刚教授的创新性成果获得了国际学界的广泛认可，荣获国家自然科学基金二等奖，欧洲地球物理学会2020年汉尼斯·阿尔文奖章（EGU，首位亚洲学者）、国际日地物理委员会杰出科学家奖（2021年，首位亚洲学者）和2018年国际空间委员会维克拉姆萨·拉巴依金质奖章等。曾担任AOGS日地分会主席，现任AGU杂志JGR-Space Physics等6个国际杂志的主编、副主编、编委。

Zong Qiugang

Professor Zong Qiugang will assume the position of Director of the Space Science Institute and Director of the State Key Laboratory of Lunar and Planetary Sciences of Macau University of Science and Technology on September 1, 2023.

He obtained his Bachelor's degree in Physics from Sichuan University in 1986. In the same year, he became an Assistant Researcher at the Institute of Space Physics of the Chinese Academy of Sciences (now the National Space Center of the Chinese Academy of Sciences). In September 1989, he joined the Chinese Antarctic Expedition Team. He studied in Germany in 1994 and obtained his Ph.D. degree from Max Planck Institute for Solar System Research/Technical University of Braunschweig, Germany in January 1999. He has worked at the Max Planck Institute for Solar System Research, the Space Physics Center at Boston University, the University of Massachusetts Lowell, and the School of Earth and Space Sciences at Peking University. He has made outstanding contributions in the field of space science and space exploration, publishing over 300 SCI papers and receiving more than 12,000 citations, as well as holding 28 domestic and international patents.

Under Professor Zong's leadership, his team developed a new generation of energy neutral atom imaging instruments with ultra-high spatial and temporal resolution. They also successfully developed an array energy electron detector with international leading level. The instruments developed have been installed on 11 satellites, including the BeiDou Navigation Satellite System, Fengyun satellites, and the Macao Science Satellite "MacaoSAT-1." These instruments have achieved on-site measurements of the dynamic variations of the "killer electrons" in the Earth's radiation belts. By utilizing autonomous data, a predictive model for "killer electrons" has been developed and incorporated into the standard forecasting model of the National Space Weather Forecast Center.

Professor Zong's innovative achievements have been widely recognized in the international academic community. He has received the Second Prize of the National Natural Science Award, the 2020 Hannes Alfvén Medal from the European Geosciences Union (the first Asian scholar to receive this award), the Outstanding Scientist Award from the International Association of Geomagnetism and Aeronomy (the first Asian scholar to receive this award in 2021), and the Vikram A. Sarabhai Gold Medal from the International Astronautical Federation in 2018, among others. He has served as the Chair of the Atmospheric and Oceanic Sciences section of the Asia Oceania Geosciences Society (AOGS) and is currently the Editor-in-Chief, Associate Editor, or Editorial Board member of six international journals, including JGR-Space Physics published by the American Geophysical Union (AGU).