

**刘维新 Liu Weixin**

Associated Professor

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#### **TEACHING EXPERIENCE**

Take part in teaching Optics, Optoelectronics Technology, Modern Optics and Applications, Application of Engineering Software.

#### **RESEARCH INTERESTS**

Space exploration technology and its application in solar observation.  
Laser precision measurement and its application in space exploration.

#### **EDUCATION BACKGROUND**

Sep. 2000 to Jul. 2004, University of Science and Technology of China, Bachelor  
Major: Measurement and Control Technology and Instrumentation

Sep. 2004 to Jul. 2009, Tsinghua University, Ph. D  
Major: Optical Engineering

#### **EMPLOYMENT HISTORY**

Sep. 2009 to Sep. 2010, work in AVIC avionics Co., Ltd

Mar. 2014 to Present, work in School of Space Science and Physics, Shandong University at Weihai

#### **Honors/Awards**

Nov. 2010, Second prize of National Technological Invention Award (ranked 2)

Oct. 2009, Electronic Information Science and Technology Award of China Electronics Society (ranked 2)

#### **RESEARCH VISITS**

Oct. 2010 to Dec. 2013, Postdoctoral research in Tsinghua University

Oct. 2020 to Present, Visiting scholar in Harbin Institute of Technology

## **(CURRENTLY SUPPORTED) RESEARCH PROJECTS**

**National Nature Science Foundation of China: Development of Large-Angle White-Light Coronagraph for the Inner-Heliosphere**

**Joint Funds of National Nature Science Foundation of China: Coherent heterodyne testing of extremely weak stray-light in coronagraph**

**Meridian Project phase II: Spectral Imaging Coronagraph**

## **SELECTED PUBLICATIONS:**

List of Publications

- [1] **Liu Weixin**, Wei Zhiwei, Zhao Wenqian, Ding Xingbu, Design of phase retardation measuring instrument for optical wave plate, *Infrared and Laser Engineering*, 2019, 48(7): 0718001
- [2] **Wei-Xin Liu**<sup>\*</sup>, Ming-Zhe Sun, Anomalous Variation of Beat Frequency in a Dual Frequency He–Ne Laser, *Chinese Physics Letters*, 2016, 33(2): 024206
- [3] **Weixin Liu**<sup>\*</sup>, Wolfgang Holzapfel, Jun Zhu, Shulian Zhang, Differential variation of laser longitudinal mode spacing induced by small intra-cavity phase anisotropies, *Optics Communications*, 2009, 282(8): 1602-1606
- [4] ZHANG Shu-lian, **LIU Wei-xin**, Rambling of system establishing of lasers resonance instruments,
- [5] Zhaoli Zeng, Jun Wen, Xuemin Qu<sup>\*</sup>, **Weixin Liu**<sup>\*</sup>, Broadened spectrum distribution of microchip solid-state laser subjected to external frequency-shifted feedback, *Laser Physics Letters*, 2014, 11: 115002
- [6] SUN Ming-zhe, ZHANG Hong-xin, **LIU Wei-xin**, XIALi-dong, Theoretical Stray Light Analysis of Side-baffled Sky Brightness Photomete, *ACTA PHOTONICA SINICA*, 2017, 46(12): 1211003
- [7] Zhang Peng, Tan Yidong<sup>\*</sup>, **Liu Weixin**, Chen Wenxue, Methods for optical phase retardation measurement: A review, *Science China-technological Sciences*, 2013, 56(5): 1155-1163
- [8] Zeng Zhaoli, Zhang Shulian<sup>\*</sup>, Tan Yidong, **Liu Weixin**, Controlling the duty cycle of the eigenstates in laser with multiple optical feedback, *Optics Express*, 2013, 21(17): 19990-19996