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School of Information and Optoelectronics Science and Engineering,

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Education:

PhD in Physics Sun Yat-sen University 1992

B.S. in Physics Sun Yat-sen University 1988

Professional Experience:

Jan. 2004– present Professor, School for Information and Optoelectronic Science and Engineering, South China Normal University, China

2001-2003 Senior Product Engineer US Broadnet

2000-2001 Senior Product Engineer Zenastra Photonics Inc.

1998-2000 Postdoctoral Researcher, Rensselaer Polytechnic Institute, USA

1996-1998 Postdoctoral Researcher, University of Miami, USA

1992-1996 Lecturer, Associate Professor, Sun Yat-sen University, China

Research Interests:

Plasmonics

Integrated photonics

Fiber-optic communications

Fiber sensor

Recently Selected publications:

1. Y. Liang, H. W. Wu, B. J. Huang, and X. G. Huang, "Light beams with selective angular momentum generated by hybrid plasmonic waveguides," *Nanoscale* **6**, 12360-12365 (2014).

2. Y. Liang and X. G. Huang, "Generation of two beams of light carrying spin and orbital angular momenta of opposite handedness," *Opt. Lett.* **39**, 5074-5077 (2014).
3. R. Xiong, H. Y. Meng, Q. Q. Yao, B. Huang, Y. M. Liu, H. C. Xue, C. H. Tan, and X. G. Huang, "Simultaneous Measurement of Refractive Index and Temperature Based on Modal Interference," *Ieee Sens J* **14**, 2524-2528 (2014).
4. Q. L. Tan, X. G. Huang, W. Zhou, and K. Yang, "A Plasmonic based Ultracompact Polarization Beam Splitter on Silicon-on-Insulator Waveguides," *Sci Rep-Uk* **3**(2013).
5. Z. B. Zhong, Z. C. Fu, J. D. Shi, Q. L. Tan, W. B. Huang, and X. G. Huang, "Measurement of modal birefringence in optical waveguides based on the Mach-Zehnder interferometer," *Rev. Sci. Instrum.* **85**(2014).
6. W. Zhou and X. G. Huang, "Compact filters and demultiplexers based on long-range air-hole assisted subwavelength waveguides," *Opt. Express* **21**, 28456-28468 (2013).
7. W. Xu, X. G. Huang, and J. S. Pan, "Simple Fiber-Optic Refractive Index Sensor Based On Fresnel Reflection and Optical Switch," *IEEE Sens J* **13**, 1571-1574 (2013).