

CHANGYUAN YU

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KEY QUALIFICATIONS:

- Research on photonics, including: diffractive optical devices, integrated micro/nano optical devices, optical interconnects, fiber-optical devices and subsystems, optical sensors, and high-speed WDM optical communication systems and networks

EDUCATION:

- Ph.D. in Electrical Engineering, Univ. of Southern California, USA, 2005
- Master of Science in Electrical & Computer Engineering, Univ. of Miami, USA, 1999
- Bachelor of Science in Applied Physics and Bachelor of Economics in Enterprise Management, Tsinghua Univ., China, 1997

PROFESSIONAL EXPERIENCE:

- Dept. of Electrical and Computer Engineering, National University of Singapore, (**Founding Leader of Photonic System Research Group**, 12/2005-present)
- A*STAR Institute for Infocomm Research (**25% Joint Senior Scientist**, 12/2005-present)
- NEC Labs America (**Visiting Researcher**, 9/2005-12/2005)
- Optical Communications Lab, Dept. of Electrical Engineering, University of Southern California (**Research and Teaching Assistant**, 8/2000-8/2005)
- Electro-Optics and Micro-Devices Lab, Dept. of Electrical and Computer Engineering, University of Miami (**Research and Teaching Assistant**, 8/1997-5/2000)

ACTIVITIES:

- Chair, IEEE Photonics Society (IEEE/PS) Singapore Chapter (2010)
- Committee member, IEEE/PS Singapore Chapter (2007~present)
- Serve in organizing committee or technical program committee (TPC) for 50+ international conferences, including:
 - TPC member and session chair, Conference on Optical Fiber Communication (OFC, the flagship conference on optical communications) 2014-2016
 - TPC chair, Signal Processing in Photonics Communications Conference, OSA Advanced Photonics Congress (SPPCom) 2014, San Diego, CA, USA

HONORS:

- **Championship in biomedical area, the 3rd China Innovation and Entrepreneurship Competition (out of 10,000+ competitors) 2014, reported by 10+ media**
- Best Paper Award, Symposium P (Fiber Optical Devices and Applications), the 5th International Conference on Materials for Advanced Technologies (ICMAT) 2009, Singapore, July 2009
- **IEEE/LEOS Graduate Student Fellowship Award, 2004 (12 winners globally)**
- Teaching and Research Assistant Scholarship, Univ. of Southern California, 2000- 2005
- Teaching and Research Assistant Scholarship, Univ. of Miami, 1997- 2000

PUBLICATIONS: 1 US Patent, 6 Book Chapters, 84 Journal Papers, and 150 Conference Papers (39 invited, including OFC2012)