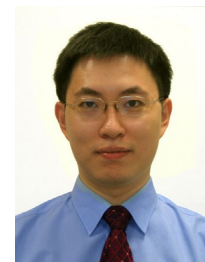


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## Biography

Prof. Changyuan YU received his Ph.D. in Electrical Engineering from the University of Southern California, USA in 2005. He was a visiting researcher at NEC Labs America in Princeton, USA in 2005. He then joined the faculty of National University of Singapore (NUS) in 12/2005, where he served as the founding leader of Photonic System Research Group in Department of Electrical and Computer Engineering till 12/2015. He was also a joint senior scientist with Institute for Infocomm Research (I2R), Agency for Science, Technology and Research (A\*STAR) in Singapore in this period. And he was a visiting professor with Department of Electrical and Electronic Engineering, University of Melbourne, Australia in 2007. In 12/2015, he joined the faculty of The Hong Kong Polytechnic University, where he is now a full professor in Department of Electronic and Information Engineering. And he also continues as an adjunct faculty member of NUS. His research focuses on photonic devices, subsystems, optical fiber communication and sensor systems, and biomedical instruments. He has been the PI/co-PI/co-I of 40+ research projects with over 9 million US dollars fund from the government agencies and industries of Singapore, Hong Kong, mainland China, USA, and Australia, and supervised 10+ postdocs and 20+ PhD students. He has authored/co-authored 6 book chapters and 500+ journal/conference papers (90 keynote/invited, including OFC2012 in USA). He served in technical program committee (TPC) or organizing committee for 80+ international conferences, and Telecommunications Standards Advisory Committee for Singapore government. His group won 7 best paper awards in conferences and the national championship (biomedical area) in the 3rd China Innovation and Entrepreneurship Competition in 2014.

## Qualifications

Bachelor of Science, Tsinghua University  
Bachelor of Economics, Tsinghua University  
Master of Science, University of Miami  
Doctor of Philosophy, University of Southern California

## Research outputs

### **Mode analysis of orbital angular momentum modes carrying multi-mode ring-core fibers**

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## Activities

**Opto-Electronics and Communications Conference (OECC) 2021**

Changyuan Yu (Programme Chair)

3 Jul 2021 → 7 Jul 2021

**IEEE Photonics Journal (Journal)**

Changyuan Yu (Associate editor)

1 Jan 2021 → 31 Dec 2023

**Asia Communications and Photonics Conference, ACPC\_2019**

Changyuan Yu (Programme Co-chair)

2 Nov 2019 → 5 Nov 2019

**Conference on Lasers and Electro-Optics/Pacific Rim, CLEOPR 2018**

Changyuan Yu (Programme Chair)

29 Jul 2018 → 3 Aug 2018

**2017 Opto-Electronics and Communications Conference, OECC 2017 and Photonics Global Conference, PGC 2017**

Changyuan Yu (Programme Chair)

31 Jul 2017 → 4 Aug 2017

**Signal Processing in Photonic Communications, SPPCom 2016**

Changyuan Yu (Chair)

18 Jul 2016 → 21 Jul 2016

**Prizes**

**Best Panel Award 2019**

Yu, Changyuan (Recipient), May 2019

**Best Poster Award**

Chen, S. (Recipient), Huang, Z. (Recipient), Tan, F. (Recipient), Yang, T. (Recipient), Tu, J. (Recipient) & Yu, Changyuan (Recipient), Oct 2018

**First Prize, 6th National Smart Service System (3S) Innovation Competition among University Students in China, 2020**

Yu, J. (Recipient), Chen, S. (Recipient), Tan, F. (Recipient), Qu, J. (Recipient), Lyu, W. (Recipient) & Yu, Changyuan (Recipient), Dec 2020

**First Prize of Technological Invention Award in Guangdong Province 2020**

Yu, Changyuan (Recipient), Mar 2021

**Merit Award in Research and Scholarly Activities**

Yu, Changyuan (Recipient), Aug 2020

**Research Grant Achievement Award**

Yu, Changyuan (Recipient), 2019

**Silver award, 2019 Guangdong College Students Entrepreneurship Innovation Competition**

Yu, Changyuan (Recipient), Tan, F. (Recipient), Lyu, W. (Recipient), Lu, L. (Recipient) & Chen, S. (Recipient), Nov 2019