Curriculum Vitae
Daocheng Zhang

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29 Jiangjun Avenue, Nanjing, Jiangsu, 211106, China
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Education

Master of Engineering ***09/2016 – 04/2019***

Microwave Photonics Research Laboratory **Advisor: Prof. Shilong Pan/ Prof. Fangzheng Zhang**

Nanjing University of Aeronautics and Astronautics, China

- **Major:** Microwave Photonics
- **Research Focus:** OPA (Optical Phased Array) Grating Lobes, Microwave Photonic Radar

Bachelor of Science ***09/2012 - 06/2016***

College of Astronautics

Nanjing University of Aeronautics and Astronautics, China

- **Major:** Electronic Information Science and Technology

Work Experience

OPPO Guangdong Mobile Communications Corp., Ltd. ***04/2019 – 09/2020***
Nanjing Changfeng Aerospace Electronics Technology Co., Ltd. ***09/2020 – 08/2022***
Nanjing Movelaser Co., Ltd. ***09/2022 – now***

Major Awards and Honors

- **Innovation scholarship of MIIT(Ministry of industry and information technology)** ***2019***
- **National scholarship** ***2018***
- **Ukrainian bachelor diploma with distinction** ***2016***
- **First-class scholarship of NUAA, Six times** ***2012-2018***

Membership

- **SPIE Student Member---Nanjing Univ. of Aeronautics and Astronautics SPIE Club**

Publications

- **Journals**

[1] F. Z. Zhang, D. C. Zhang, and S. L. Pan, "Fast and wide-range optical beam steering with ultra-low side lobes applying optimized multi-circular optical phased array," Applied Optics, vol. 57,no. 18, pp. 4977-4984, Jun. 2018. (Editors' Pick)

[2] D. C. Zhang, F. Z. Zhang, and S. L. Pan, "Grating-lobe-suppressed optical phased array with optimized element distribution," Optics Communications, vol 419, pp. 47–52, Jul. 2018.

[3] P. Zhou, F. Z. Zhang, D. C. Zhang, and S. L. Pan, "Performance enhancement of an optically-injected-semiconductor-laser-based optoelectronic oscillator by subharmonic microwave modulation," Optics Letters, vol. 43, no. 31, pp. 5439-5442, Nov. 2018.

[5] F. Z. Zhang, P. Zhou, D. C. Zhang, and S. L. Pan, "Terahertz generation by optically injected semiconductor laser for radar and communication applications", IET International Radar Conference 2018, Nanjing, China, Oct. 17-19, 2018.

[6] E. M. Zhao, F. Z. Zhang, D. C. Zhang, and S. L. Pan, *"*Three-dimensional Multiple Signal Classification (3D-MUSIC) for Super-resolution FMCW Radar Detection,*"* IEEE MTT-S International Wireless Symposium (IWS), Guangzhou, China, May 19-22, 2019.

- **International Conferences**

[1] D. C. Zhang, F. Z. Zhang, and S. L. Pan, "Two-dimensional optical phased array with grating lobe

suppression by element distribution and emitting amplitude optimization," in the 17th International Conference on Optical Communications and Networks (ICOCN 2018), Zhuhai, China, Nov. 16-19, 2018. (EI)

Patents(Granted):

[1] "A Two-Dimensional Optical Phased Array,".
[2] "Real-time spectrum monitoring method and device based on photonics-assisted frequency multiplication and mixing,".
[3] "Microwave frequency measuring method and device based on frequency-phase slope mapping,".
[4] "System and method for direction finding using DBF and interferometer ".
[5] "Wind-finding method based on fusion of millimeter wave radar data and laser radar data,"
...

References

Prof. Shilong Pan
Director - Microwave Photonics Research Laboratory, NUAA
Dr. Pan is a Fellow of IEEE, Optica, SPIE, and IET. He was selected as an IEEE Photonics Society Distinguished Lecturer in 2019 and an IEEE MTT-S Distinguished Microwave Lecturer in 2022. He was a recipient of the IEEE MTT-S Outstanding Young Engineer Award in 2021. He is currently the Deputy Editor of Chinese Optics Letters, an Associate Editor Of the IEEE/OPTICA JOURNAL OF LIGITWAVE TECINOLOGY, and IEEETRANSACTIONS ON MICROWAVE THEORY AND TECINIQUEs, and is the Vice Chair of IEEE MTT-22 Microwave Photonics. He was the Chair of a number of international conferences, symposia, and workshops, including the TPC Chair of the ICOCN 2015, the TPC Chair of IEEE MWP in 2023the TPC Co-Chair of IEEE MWP 2017, and the General Co-Chair of IEEE MWP 2021.
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