高永胜

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基本信息 The basic information

姓名:高永胜　　学院:电子信息学院　　学历:博士研究生毕业

工学博士

职称:副教授　　职务:　　学科:信息与通信工程,电子科学与技术

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教育经历 Education Experience

2007-2011 西安电子科技大学 通信工程学院 本科

2011-2014 西安电子科技大学 通信工程学院 硕士

2014-2016 西安电子科技大学 通信工程学院 博士

荣誉获奖 Awards Information

获选2017年度“博士后创新人才支持计划”

获选2017年度陕西省电子学会优秀博士学位论文

获选2017年度中国电子教育学会优秀博士学位论文提名奖

科学研究 Scientific Research

- **研究方向**：微波光子技术、光载射频通信
- **主要项目**：
  - 2018-2020，横向预研，微波光子零中频接收机，负责人；
  - 2018-2019，横向课题，RoF链路研究，负责人；
  - 2018-2020，国家自然科学基金，宽带I/Q平衡、低失真的微波光子混频方法，负责人；
  - 2017-2019，博士后基金面上项目，基于光子学的宽带微波I/Q混频理论与方法，负责人；
  - 2017-2019，博新计划，零中频架构的超宽带可重构光子学射频收发技术，负责人；
  - 2015-2016，国家重点实验室项目，面向宽带无线通信的光载射频接入技术研究，主要完成人；
  - 2015-2016，横向课题，变频线性度补偿技术研究，主要完成人；
  - 2014-2015，863子课题课题，超宽带大动态可复用通道技术，主要完成人；
  - 2014-2015，横向课题，射频信号光纤高稳传输，主要完成人；
  - 2011-2015，纵向课题，射频信号光纤馈送与微波光子变频，主要完成人 。

学术成果 Academic Achievements

1. **Gao Y,** Wen A, Jiang W, Fan Y, He Y, Zhou D. Fundamental/Subharmonic Photonic Microwave I/Q Up-Converter for Single Sideband and Vector Signal Gen (https://ieeexplore.ieee.org/document/8386820/) . IEEE Transactions on Microwave Theory and Techniques, 2018, 66(9): 4282-4292.
2. **Gao Y**, Wen A, Jiang W, Fan Y, He Y. All-optical and broadband microwave fundamental/sub-harmonic I/Q down-converters. (https://doi.org/10.1364/OE.26.007336) Optics Express, 2018, 26(6): 7336-7350.
3. Tan Q, **Gao Y,*** Fan Y, He Y. Multi-octave analog photonic link with improved second- and third-order SFDRs (https://www.sciencedirect.com/science/article/pii/S0030401817310404). Optics Communications, 2018, 410:685–689.
4. **Gao Y**, Wen A, Zhang W, Jiang W, Ge J, Fan Y. Ultra-Wideband Photonic Microwave I/Q Mixer for Zero-IF Receiver (http://ieeexplore.ieee.org/document/79 IEEE Transactions on Microwave Theory and Techniques, 2017, 65(11):4513-4525.

5. **Gao Y**, Wen A, Jiang W, Fan Y, Zhou D, He Y. Wideband Photonic Microwave SSB Up-Converter and I/Q Modulator (http://ieeexplore.ieee.org/document/79 Journal of Lightwave Technology, 2017, 35(18):4023-4032.
6. **Gao Y**, Wen A, Chen W, Li X. All-optical ultra-wideband microwave I/Q mixer and image-reject frequency down-converter. (https://www.osapublishing.org/ol/abstract.cfm?uri=ol-42-6-1105) Optics Letters, 2017, 42(6): 1105-1108.
7. **Gao Y**, Wen A, Zhang W, Wang Y, Zhang H. Photonic microwave and mm-wave mixer for multi-channel fiber transmission (http://ieeexplore.ieee.org/document/7814218/). Journal of Lightwave Technology, 2017, 35(9): 1566-1574.
8. **Gao Y**, Wen A, Peng Z, Tu Z. Analog Photonic Link with Tunable Optical Carrier to Sideband Ratio and Balanced Detection (http://ieeexplore.ieee.org/document/7857039/). IEEE Photonics Journal, 2017, 9(2): 16705796.
9. **Gao Y**, Wen A, Tu Z, Zhang W, Lin L. Simultaneously photonic frequency down-conversion, multi-channel phase shifting and IQ demodulation for wideband signals (https://www.osapublishing.org/ol/abstract.cfm?uri=ol-41-19-4484). Optics Letters, 2016, 41(19): 4484-4487.
10. **Gao Y**, Wen A, Zheng H, Liang D, Lin L. Photonic microwave waveform generation based on phase modulation and tunable dispersion. (https://www.osapublishing.org/oe/abstract.cfm?uri=oe-24-12-12524) Optics Express, 2016, 24(12): 12524-12533.
11. **Gao Y**, Wen A, Wu X, Wang Y, Zhang H. Efficient Photonic Microwave Mixer With Compensation of the Chromatic Dispersion-Induced Power Fading (http://ieeexplore.ieee.org/document/7456178/). Journal of Lightwave Technology, 2016, 34(14): 3440-3448.
12. **Gao Y**, Jiang W, Wen A, Liang D, Tan Q. Photonic versatile waveform generation based on phase modulation in Sagnac loop (http://digital-library.theiet.org/content/journals/10.1049/el.2015.4430). Electronics Letters, 2016, 52(7): 550-551.
13. **Gao Y**, Wen A, Liu W, Zhang H, Xiang S. Photonic Generation of Triangular Pulses Based on Phase Modulation and Spectrum Manipulation (http://ieeexplore.ieee.org/document/7393434/). IEEE Photonics Journal, 2016, 8(1): 7801609.
14. **Gao Y** , Wen A, Jiang W, Liang D, Liu W, Xiang S. Photonic Microwave Generation with Frequency Octupling based on a DP-QPSK Modulator (http://ieeexplore.ieee.org/document/7164276/). IEEE Photonics Technology Letters, 2015, 27(21): 2260-2263.
15. **Gao Y**, Wen A, Liu L, Tian S, Xiang S, Wang Y. Compensation of the Dispersion-Induced Power Fading in an Analog Photonic Link Based on PM–IM Conve Sagnac Loop (http://ieeexplore.ieee.org/document/7080991/). Journal of Lightwave Technology, 2015, 33(13): 2899-2904.
16. **Gao Y**, Wen A, Chen Y, Xiang S, Zhang H, Shang L. An Analog Photonic Link with Compensation of Dispersion-Induced Power Fading (http://ieeexplore.ieee.org/document/7081783/). IEEE Photonics Technology Letters, 2015, 27(12): 1301-1304.
17. **Gao Y**, Wen A, Li N, Wu X, Zhang H. Microwave generation with photonic frequency octupling using a DPMZM in a Sagnac loop (http://www.tandfonline.com/doi/full/10.1080/09500340.2015.1034793). Journal of Modern Optics, 2015, 62(16): 1291-1296.
18. **Gao Y**, Wen A, Cao J, Chen Y, Zhang H. Linearization of an analog photonic link based on chirp modulation and fiber dispersion (http://dx.doi.org/10.1088/20 8978/17/3/035705). Journal of Optics, 2015, 17(3): 035705.
19. **Gao Y**, Wen A, Chen Y, Zhang H, Xiang S. Linearization of an intensity-modulated analog photonic link using an FBG and a dispersive fiber (http://dx.doi.org/10.1016/j.optcom.2014.10.030). Optics Communications, 2015, 338: 1-6.
20. **Gao Y**, Wen A, Yu Q, Li N, Lin G, Xiang S, Shang L. Microwave Generation With Photonic Frequency Sextupling Based on Cascaded Modulators (http://dx.doi.org/10.1109/LPT.2014.2318772). IEEE Photonics Technology Letters, 2014, 26(12): 1199-1202.
21. **Gao Y**, Wen A, Zhang H, Xiang S, Zhang H, Zhao L, Shang L. An efficient photonic mixer with frequency doubling based on a dual-parallel MZM (http://dx.doi.org/10.1016/j.optcom.2014.01.065). Optics Communications, 2014, 321: 11-15.

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