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### 付松年

更新时间: 2013-03-20 作者: 该文章已被浏览736次

	<p>姓名: 付松年</p> <p>职称: 教授</p> <p>研究所(实验室): 下一代互联网接入系统国家工程实验室</p> <p>职务:</p>
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#### 学习工作经历:

1998年, 2001年分别在厦门大学获得学士和硕士学位, 获得过厦门大学优秀毕业生及光华、厦华、华为奖学金。2004年12月在北京交通大学获得通信与信息系统博士学位。博士期间, 主要从事基于半导体光放大器的全光信号处理研究, 获得过北京交通大学优秀研究生及智谨奖学金。2005年2月至2010年12月在新加坡南洋理工大学网络技术研究中心担任博士后研究员, 主要研究方向是全光信号处理及微波光子学。2011年1月作为引进人才进入华中科技大学光电子科学与工程学院和武汉国家光电实验室工作。目前是华中科技大学光学与电子信息工程学院教授, 博导。

#### 研究方向、领域:

光速光纤传输系统, 先进调制码型, 光纤无线融合, 微波光子学

#### 主要成果:

近三年以第一作者/通信作者发表文章

1. Songnian Fu, Tang Ming, and P. Shum, "Instantaneous microwave frequency measurement using optical carrier suppression based DC power monitoring," *Optics Express*, vol. 19, pp: 24712-24717, 2011.
- Junqiang Zhou, Songnian Fu, F. Luan, J. Wong, S. Aditya, and P. Shum " Tunable multi-tap bandpass microwave photonic filter using a windowed Fabry-Perot filter-based multi-wavelength tunable laser," *IEEE/OSA Journal of Lightwave Technology*, vol. 29, pp:3381-3386, 2011.
- J. Niu, Songnian Fu, K. Xu, J. Zhou, S. Aditya, J. Wu, P. Shum, and J. Lin,

- “Instantaneous microwave frequency measurement based on amplified fiber-optical recirculating delay loop and broadband incoherent light source,” *IEEE/OSA Journal of Lightwave Technology*, vol.29, pp:78-84, 2011.
- Songnain Fu, Junqiang Zhou, and P. Shum “Instantaneous microwave frequency measurement using programmable differential group delay (DGD) module,” *IEEE Photonic Journal*, vol.2, pp:967-973, 2010.
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6. Songnian Fu, W. D. Zhong, P. Shum, and Chinlon Lin, “Simultaneous implementation of photonic logic OR and AND gates for CSRZ-OOK signals,” *IEEE Photonics Technology Letters*, vol.22, pp:960-962, 2010.
- Kai Jiang, Songnian Fu, P. Shum, and Chinlon Lin, “A Wavelength-Switchable Passively Harmonically Mode-locked Fiber Laser with Low Pumping Threshold Using Single Wall Carbon Nanotubes,” *IEEE Photon. Technol. Lett.*, vol.22, pp: 754-756, 2010.
- F. Zhang, Songnian Fu, J. Wu, K. Xu, X. Sun, W. Li, Y. Li, X. Hong, J. Lin and P. Shum, “A Wavelength Division Multiplexed Passive Optical Network With Simultaneous Centralized Light Source,” *IEEE Photonics Journal*, vol.2, pp:445-453, 2010.
- Bingbing Wu, Songnian Fu, J. Wu, P. Shum, Nam Quoc Ngo, K. Xu, X. Hong and J. Lin, “40Gbps Multifunction Optical Format Conversion Module with Wavelength Multicast Capability using Nondegenerate Four-wave Mixing in a semiconductor optical Amplifier,” *IEEE/OSA Journal of Lightwave Technology*, vol.27, pp:4446-4454, 2009.
- Songnian Fu, W. D. Zhong, P. Shum, and Chinlon Lin, “Frequency Multiplication of Microwave Signals by Self-Induced Nonlinear Polarization Rotation in Semiconductor Optical Amplifier (SOAs),” *IEEE Photon. Technol. Lett.*, vol.21, pp: 1081-1083, 2009.