

福州大学 物理与信息工程学院



陈平平

教授

教授，博导，旗山学者

陈平平，福州大学电子信息系教授/博导，2017年福建省教育厅杰出青年，旗山学者，从事5G通信、智能信息等数据传输分析及应用研究。获2019年广东省科技进步二等奖，作为指导老师之一，获得2019年第五届中国“互联网+”大学生创新创业大赛银奖。持国家自然科学基金面上基金，国家青年基金科研项目；发表SCI/EI学术论文40多篇，包含2篇1区论文，10篇JCR 2区论文，总引用次数500多次，申请国家发明专利5个；担任多个国际权威通信会议TPC组委会成员，2019年ISWCS通信会议分会的组委会主席；担任国际期刊 *Journal of Electronic and Engineering*、*IEEE Access*特邀编辑；

我现在正在招收1-2个博士生，以及5-6个硕士研究生(通信，信号，电通，以及集成电路)，欢迎有志于科研和产学研项目落地的优秀研究生和本科生加入团队，请有兴趣的同学发简历到邮箱：ppchen.xm@gmail.com（微信同电话，可直接联系）

Professor (教授，博导), IEEE Member, Dept. of Information Electronics(电子信息系),

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研究领域：信道编码，网络编码，无线通信以及wifi，UWB通信。

陈平平老师(IEEE MEMBER) 于2012年获得电子工程博士(厦门大学), 2013-2015于香港中文大学网络编码所(CUHK-INC)从事博士后研究工作。近五年一共发表高水平SCI EI论文20多篇，已公开发明专利一个。担任多个国际会议的TPC(2016 IEEE PIMRC, 2016/2017 IEEE VTC), 以及多国际期刊和会议的审稿人。

研究兴趣为：无线通信,信号处理,信源编码，信道编码以及网络编码。

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教育经历

2008/09—2012/12: 厦门大学 电子工程系 电路与系统 博士

2008/09—2010/07: 厦门大学 计算机科学系 计算机系统结构 硕士阶段

2003/09—2008/06: 福州大学 计算机科学系 软件工程 本科

工作经历

2013/02—2015/02: 香港中文大学 网络编码研究所 博士后

2012/05—2012/09: 香港理工大学 电子信息工程系 研究助理

2006/06—2006/08: 福建富士通信息软件有限公司 海外事业部 海外软件开发工程师

研究兴趣

信道编码, 物理层网络编码, 无线通信

目前研究兴趣: 信道编码, 网络编码, 分布式存储纠错编码

项目:

国家自然科学基金面上基金 2019-2022 60万

国家自然科学基金青年基金。2015-2018 27万

学术论文、著作

接收待发表:

1. Pingping Chen, C. Kui, S. Zheng, "Rate-Adaptive Protograph LDPC Codes for Multi-Level-Cell (MLC) NAND Flash Memory", IEEE Communications letters, accepted, JCR 3.
2. Pingping Chen, L. Shi, et.al, A Coded DCSK Modulation System over Rayleigh Fading Channels, IEEE Trans. Comm, accepted, JCR 2.
3. Fang, G. Han, G. Cai F. C. M. Lau, P. Chen; Y. Guan, "Design Guidelines of Low-Density Parity-Check Codes for Magnetic Recording Systems", IEEE Communications Surveys and Tutorials, accepted. JCR 1 区.
4. L. Shi, Y. Tao, K. Cai, Pingping Chen, On MIMO Linear Physical-Layer Network Coding: Full-rate Full-diversity Design and Optimization, IEEE Trans. Wireless Commun, accepted, JCR 2.

4. D. Chen, Ping. Chen (通信作者), Y. FANG, "Low-Complexity High-Performance Low-Density Parity-Check Encoder Design for China Digital Radio Standard,"IEEE ACCESS, 2017.

5. P. CHEN, K. Cai. Et.al, Non-Binary Protograph-Based LDPC Codes for 2-D-ISI Magnetic Recording Channels. IEEE Transactions on Magnetism, 2017.

第一作者:

0. Pingping Chen (第一作者), et.al,, "Design of a Capacity-Approaching Chaos-based Multi-Access Transmission System", IEEE Trans. Vehicular Technology , accepted. (JCR 2区SCI源刊)

1. Pingping Chen (第一作者), Long Shi, Liew Soung, " Bandwidth-Efficient Coded Modulation Schemes for Physical-Layer Network Coding with High-Order Modulations", IEEE Trans. Communications, vol. 64, no. 11, pp. 1- 12, 2016. (JCR 2区SCI源刊)
2. Pingping Chen (第一作者), Yi. Fang, H. Guo, and G. Chen, , "An Efficient Transmission Scheme for DCSK Cooperative Communication Over Multipath Fading Channels", IEEE Access, vol. 8, no. 10, pp. 100-108, 2016. (JCR 3区SCI源刊)
3. Pingping Chen (第一作者), Lingjun Kong, Yifang, Lin Wang, " The Design of Protograph LDPC Codes for Two-Dimensional Magnetic Recording Channels", IEEE Transactions on Magnetics, 2015, vol. 51, no. 6, PP-PP. (JCR 3区).
4. Yi Fang, Lin Wang, Pingping Chen(通信作者), Jing Xu, Guanrong Chen, and Weikai Xu, "Design and Analysis of a DCSK-ARQ/CARQ System over Multipath Fading Channels," IEEE Trans. Circuits and Syst-I, 2015, vol. 62, no. 6, pp. 1637 - 1647. (JCR 2区).
5. Pingping Chen (第一作者), Lin Wang and Francis C. M. Lau, "One analog STBC-DCSK transmission scheme not requiring channel state information," IEEE Trans. Circuits and Syst-I, vol. 60, no. 4, pp.1027-1037, 2013. (JCR 2区).
6. Pingping Chen (第一作者), Lin Wang and Guanrong Chen, "DDCSK-walsh coding: a reliable chaotic modulation based transmission technique," IEEE Trans. Circuits and Syst -II, vol. 59, no. 2, pp. 128-132, Feb. 2012. (JCR 3区)
7. Pingping Chen (第一作者), and Lin Wang, "A serial joint channel and physical layer network decoding in two-way relay networks," IEEE communications letters, vol. 16, no. 6, pp.769-772, 2012. (JCR 3区)
8. Pingping Chen (第一作者), Yi Fang, Lin Wang and Francis C. M. Lau, "Decoding generalized joint channel coding and physical network coding in the LLR domain," IEEE Signal Processing Letts, vol. 20, no. 2, pp.121-124, 2013. (JCR 3区)
9. Pingping Chen (第一作者), Lin Wang and Jiguang He, "Physical-layer network coding and precoding for end nodes using Alamouti scheme," in Proc ISCIT, Queensland, Australia, Oct. 2012, accepted (EI)
10. Pingping Chen (第一作者), Jing Xu, W.K. Xu, "Performance Analysis on the FM-DCSK UWB Cooperative System with Decode-Forward", in Proc. APCIT, China, 2011.

专利:

10. 陈平平 (第一作者), 谢东福, 王琳, "一种应用于LDPC译码的5比特量化方法", No: ZL201010186626.8, 已授权.

合作文章:

1. Yi Fang, Guojun Han, Pingping Chen, Francis C. M. Lau, Guanrong Chen, and Lin Wang, "A Survey on DCSK-based Communication Systems and Their Application to UWB Scenarios", IEEE Communications Surveys and Tutorials, accepted. (JCR 1 区)
2. Kong. L, He. L, Chen. P, Han. G, Fang. Y, "Protograph based quasi-cyclic LDPC coding for ultra-high density magnetic recording channels", IEEE Transactions on Magnetics, 2015, vol. 51, no. 6, PP-PP. (JCR 3区 SCI源刊)
3. Yi Fang, Pingping Chen, Lin Wang, Francis C. M. Lau, "Design of protograph LDPC codes for partial response channels," IEEE Trans. Communications, vol. 60, no. 10, pp. 2809 - 2819, 2012. (JCR 3区 SCI源刊)
4. Yi Fang, Pingping Chen, Lin Wang, Francis C. M. Lau and Kai-Kit. Wong, "Performance Analysis of Protograph- based LDPC Codes with Spatial Diversity," IET Communications, accepted for publication. (JCR 4区 SCI源刊)
5. Yi Fang, Pingping Chen and Lin Wang, "Performance analysis and optimization of a cooperative FM-DCSK UWB system under indoor environments", IET Networks, vol. 1, no. 2, Jan. 2012, pp. 58-65. (SCI源刊)
6. 谢东福, 王琳, 陈平平, "低资源消耗多边类型LDPC码译码器的FPGA实现," 应用科学学报, 2010, 28(6):633-638. (EI源刊)

7. 方毅, 王琳, 陈平平, 肖旻, "原模图LDPC码的一种联合优化算法," 应用科学学报, China. vol.29, no.6, Dec.2011. (EI源刊)
8. 孔龙, 陈平平, 徐位凯, 陈志雄, "FM-DCSK技术在无线体域网中的性能分析", 重邮学报, . vol. 25, no. 2, 04 .2013.
9. SiJie Yang, Lin Wang, Yi Fang and Pingping Chen, "Performance of improved AR3A code over EPR4 channel," in Proc. ICCRD, Shanghai, China, Mar.11-13, 2011. (EI)
10. Long Kong, Pingping Chen and Lin Wang, "Outage probability analysis of a space-time block coding physical-layer network coding," in Proc 2012 IEEE WCSP, Nanjing, China, Oct. 2012 (EI)
11. Jiguang He, Lin Wang and Pingping Chen, "A joint source and channel coding scheme based on simple structured protograph codes," in Proc ISCIT, Queensland, Australia, Oct. 2012. (EI)
12. Kong Long, Pingping Chen, Weikai Xu and Lin Wang, "Performance of FM-DCSK UWB for wireless body area network", in Proc 19th Mikon, Warsaw, Poland, May, 2012. (EI)