

学院概况

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教师介绍



何晶

何晶，博士，副教授，博士生导师。

研究方向：光载无线通信，先进调制格式，超宽带光无线通信，高速光通信，实时光通信，可主持国家自然科学基金项目2项、教育部留学回国人员科研启动基金项目1项、湖南省科技计划发计划项目1项、湖南省自然科学基金项目1项、湖南大学青年教师科技创新扶持项目1项和光通信技术教育部重点实验室(北京邮电大学)项目1项、主持并完成横向科研项目3项。作为主要成员参与划项目、国家自然科学基金项目、湖南省自然科学基金项目等。2012年至2013年，获国家留学在英国布里斯托大学进行访问研究。以第一作者和通讯作者在光通信领域的国内外重要学术期刊IEEE/OSA/JLT,IEEEP,IEEEPTL,OpEx,IEEE/OSA/JOCN,OC,OFT,COL和顶级国际学术会议发表高;余篇，其中JCR一区论文3篇，JCR二区论文14篇。申请国家发明专利9项，授权国家发明专利1;以项目第一完成人获得湖南省自然科学奖二等奖，2016年入选湖南省普通高校青年骨干教师培;前是IEEEP,IEEE/OSA/JLT,IEEEPTL,IEEEJQE,IEEETOB,IEEEAccess等期刊的审稿人。

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个人简历

学术论文

2015年

[1]. Ming Chen, *Jing He, Qirui Fan, Ze Dong and Lin Chen. Experimental Demonstration of Real-Time High-Level QAM-Encoded Direct-Detection Optical OFDM Systems, IEEE/OSA Journal of Lightwave Technology, 2015, 33(22):4632-4639. (SCI二区, IF=2.965)

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[3]. Jin Tang, *Jing He, Danyu Li, Ming Chen and Lin Chen. 64/128-QAM Half-Cycle Sub-Carrier Modulation for Short Reach Optical Communications. IEEE Photonics Technology Letters, 2015, 27(3):284-287. (SCI二区, IF=2.191)

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2014年

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专利:

1. 基于差分相移键控格式的光纤无线通信系统, 申请号: 201010587433.3, 专利号: ZL201010587433.3
2. 基于低密度奇偶校验码的多带超宽带光纤无线通信方法, 申请号: 201410626505.9
3. 基于可见光通信技术的捕影装置, 申请号: 201410746531.5
4. 基于光频梳的室内毫米波和可见光通信混合多接入方法, 申请号: 201611092526.2
5. 基于边缘检测的动漫素材采集装置, 申请号: 201611091640.3
6. 基于激光可见光通信的SDI视频传输系统, 申请号: 201611214601.8
7. 基于激光可见光通信的无线路由器, 申请号: 201710341498.1

科研状况

1. 主持国家自然科学基金项目“面向室内吉比特通信的实时RGB-LDs可见光通信的关键问题研究”, 项目编号(61775054)
2. 主持国家自然科学基金项目“低成本光载多带正交频分复用超宽带信号的产生和传输研究”, 项目编号(61307087)
3. 主持湖南省科技计划项目省重点研发计划项目“基于物联网的光纤无线异构网络传输平台”, 项目编号(2016GK2011)
4. 主持教育部留学回国人员科研启动基金项目“实时高速光OFDM信号在光纤长距离接入系统中高效数字信号处理算法研究”(教外司留(2015)311号)
5. 主持湖南省自然科学基金项目“超宽带光载无线通信关键技术研究”, 项目编号(12JJ3070)
6. 主持湖南大学青年教师科技创新扶持项目“UWB-ROF光信号传输理论及关键技术研究”
7. 主持光通信与光波技术教育部重点实验室(北京邮电大学)项目“基于高速正交频分复用调制码在光传输中的理论与实验研究”
8. 主持企业合作项目“面向智能家居的可见光通信系统”“在线考试、学习系统”
9. 参与国家自然科学基金项目“数字信号处理辅助相干检测的高频谱效率光纤传输技术”, 项目编号(61377079)
10. 参与国家自然科学基金项目“高速光通信系统中高频谱效率的物理层加密理论与算法研究”, 项目编号(61571188)
11. 参与国家自然科学基金项目“OFDM光信号传输及信号处理的基础理论与关键技术研究”, 项目编号(60977049)
12. 参与国家863计划资助项目“基于正交频分复用的Radio-over-Fiber系统的关键技术研究”, 项目编号(2007AA01Z263)
13. 参与湖南省自然科学基金项目“高速光纤通信系统偏振模色散补偿的前馈方法研究”, 项目编号(06JJ5108)
14. 参与湖南省科技厅项目“光纤接入网中实时正交频分复用系统设计与关键技术研究”
15. 参与光通信与光波技术教育部重点实验室(北京邮电大学)项目“高性价比的光毫米波产生方法的理论与实验研究”
16. 参与湖南省自然科学基金项目“网络自相似流量模型及其队列管理策略的研究”, 项目编号(20043142108)
17. 参与湖南省科技厅项目“新一代网络流量模型研究”, 项目编号(20033342395)

获奖情况:

- 2017年湖南省优秀硕士学位论文的指导老师
- 2016年获得湖南省自然科学奖二等奖(第一完成人)
- 2016年入选湖南省普通高校骨干教师培养对象
- 2017年、2016年湖南大学优秀硕士学位论文的指导老师
- 2016年湖南大学本科毕业设计(论文)优秀指导老师
- 2015年指导学生参加“全国高校互联网应用创新大赛”, 获得“2015全国高校软件定义网络(SDN)应用创新开发大赛”优胜奖
- 指导的硕士研究生温学杰、李腾、董欢和龙凤婷分别获得2014年、2015年和2016年“湖南大学研究生国家奖学金”
- 2007年、2008年、2015年湖南大学毕业实习优秀指导老师
- 2004年获得湖南省第10届自然科学优秀学术论文三等奖
- 2001年获得湖南大学优秀共产党员称号

SERVICE

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湖大微

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