



无线光通信及其组网技术

客座编委:柯熙政,王天枢,王惠琴,郭忠义

- 一种面向光学相机通信系统的数据帧结构白 勃,苏 博,李静磊,柯熙政(1873)
- OAM光通信系统能量利用效率研究周红平,潘珍珍,郭 凯,雷 艺,郭忠义(1881)
- 指向误差下高斯光束几何衰减模型分析刘锡国,刘 敏,毛忠阳,徐建武,胡 昊(1893)
- 基于相位调制器的光子射频自干扰消除系统史芳静,樊养余,王鑫圆,高永胜(1900)
- 一种自由空间光通信中自适应光电阵列信号处理算法马春波,石俊杰,王 莹,张 磊,敖 璐(1908)
- 一种高线性度的全双工光载射频系统王瑞琼,樊养余,王鑫圆,谭佳俊,高永胜(1913)
- 室内VLC-WiFi异构网络基于动态载波分配的干扰管理策略刘焕淋,蒲 欣,陈 勇,黄美娜,陈金林(1920)
- 光载无线通信链路拉格朗日乘子线性度优化樊养余,王武营,刘曦春(1927)
- 一种基于OAM的FSO误码性能的理论分析方法徐东苓,岳 鹏,易 湘(1934)
- 软信息辅助硬判决译码在自由空间光通信中的应用雷 艺,陈 斌,周红平,郭 凯,郭忠义(1945)
- 基于NOMA技术的PLC-VLC用户配对和子载波分配方法刘焕淋,黄美娜,陈 勇,杨 健,黄冰川,张 彤(1952)
- 同频干扰下混合MUD-RF/FSO航空中继通信系统性能分析刘文亚,王 翔,赵尚弘,牟 迪(1960)
- 叠加态涡旋光束经旋转随机粗糙表面的频移特性吕 宏,党 磊,贺 蕊(1969)
- 一种抗可见光蜂窝网小区间干扰的光学发射天线设计金建力,路慧敏,陈丹阳,况 荡,于彤军,王建萍(1975)

学术论文

- 基于相继干扰消除和跨层并发传输的物联网数据聚合调度焦贤龙,郭松涛,黎 勇,李艳涛,向朝参(1982)
- 基于Fisher判别和GKF-RELM算法的多特征步态模式识别黎毅达,高发荣,姚 婷,蔡利杰(1993)
- DisHAP:基于层次亲和聚类的分布式大图划分算法柳 菁,李 琪(2002)
- 移动群智感知中基于协同排序的任务推荐方法王 健,刘嘉欣,赵国生,赵中楠(2012)
- 基于锚点的字符级甲骨图像自动标注算法研究史先进,曹 爽,张重生,陶月锋,吕灵芝,沈夏炯(2020)
- 基于帧间高级特征差分的跨场景视频前景分割算法张 锦,李 阳,任传伦,黄 炼,王帅辉,段晔鑫,潘志松,谢 钧(2032)
- 基于联合学习框架的音频场景聚类张聿晗,李艳雄,江钟杰,陈 昊(2041)

综述评论

- 基于深度学习的图像描述综述石义乐,杨文忠,杜慧祥,王丽花,王 婷,理珊珊(2048)

科研通信

- 谐振式双向开关电容变换器夏守行,朱飒飒,白若琦,宋建伟(2061)
- 城市交通环境下23GHz信道仿真建模张文茹,汪莞乔,官 科,艾 渤,曾 毅,赖峥嵘(2069)

**OPTICAL WIRELESS COMMUNICATION AND NETWORKING TECHNOLOGY**

Guest Editor: KE Xi-zheng, WANG Tian-shu, WANG Hui-qin, GUO Zhong-yi

- Data Frame Structure for Optical Camera Communication SystemBAI Bo, SU Bo, LI Jing-lei, KE Xi-zheng (1873)
- Research on the Energy-Utilization Efficiency of OAM Based Optical Communication Systems
.....ZHOU Hong-ping, PAN Zhen-zhen, GUO Kai, LEI Yi, GUO Zhong-yi (1881)
- Analysis of Geometric Attenuation Model of Gaussian Beam under Pointing Error
.....LIU Xi-guo, LIU Min, MAO Zhong-yang, XU Jian-wu, HU Hao (1893)
- Photonic Radio Frequency Self-Interference Cancellation System Based on Phase Modulators
.....SHI Fang-jing, FAN Yang-yu, WANG Xin-yuan, GAO Yong-sheng (1900)
- An Adaptive Photoelectric Array Signal Processing Algorithm for Free Space Optical Communication
.....MA Chun-bo, SHI Jun-jie, WANG Ying, ZHANG Lei, AO Jun (1908)
- A High Linearity Full-duplex Radio over Fiber System
.....WANG Rui-qiong, FAN Yang-yu, WANG Xin-yuan, TAN Jia-jun, GAO Yong-sheng (1913)
- Interference Management Strategy Based on Dynamic Carrier Allocation for Indoor VLC-WiFi Heterogeneous Network
.....LIU Huan-lin, PU Xin, CHEN Yong, HUANG Mei-na, CHEN Jin-lin (1920)
- Linearity Optimization of Lagrange Multiplier for Radio-Over-Fiber LinkFAN Yang-yu, WANG Wu-ying, LIU Xi-chun (1927)
- A Theoretical Analysis Method of OAM-Based FSO Error Performance.....XU Dong-ling, YUE Peng, YI Xiang (1934)
- A Soft-Aided Hard-Decision Decoder for Free-Space Optical Communications
.....LEI Yi, CHEN Bin, ZHOU Hong-ping, GUO Kai, GUO Zhong-yi (1945)
- User Pairing and Subcarrier Allocation for PLC-VLC Based on NOMA Technology
.....LIU Huan-lin, HUANG Mei-na, CHEN Yong, YANG Jian, HUANG Bing-chuan, ZHANG Tong (1952)
- Performance Analysis of Mixed MUD-RF/FSO Airborne Relay Communication System with Co-Channel Interference
.....LIU Wen-ya, WANG Xiang, ZHAO Shang-hong, MU Di (1960)
- The Characteristics of Frequency Shift of Superposition Vortex Beams Passing through a Rotating Random Rough Surface
.....LHong, DANG Lei, HE Rui (1969)
- Design of Anti-Cell Interference Optical Transmitting Antenna for Visible Light Cellular Network
.....JIN Jian-li, LU Hui-min, CHEN Dan-yang, KUANG Dang, YU Tong-jun, WANG Jian-ping (1975)

PAPERS

- SIC-Based Data Aggregation Scheduling with Cross-Layer Concurrent Transmission for Internet of Things
.....JIAO Xian-long, GUO Song-tao, LI Yong, LI Yan-tao, XIANG Chao-can (1982)
- Multi-Feature Gait Pattern Recognition Based on Fisher Discriminant and GKF-RELM Algorithm
.....LI Yi-da, GAO Fa-rong, YAO Ting, CAI Li-jie (1993)
- DisHAP: A Distributed Partition Algorithm for Large Scale Graphs Based on Hierarchical Affinity ClusteringLIU Jing, LI Qi (2002)
- Task Recommendation Method Based on Collaborative Ranking in Mobile Crowd Sensing
.....WANG Jian, LIU Jia-xin, ZHAO Guo-sheng, ZHAO Zhong-nan (2012)
- Research on Automatic Annotation Algorithm for Character-level Oracle-Bone Images Based on Anchor Points
.....SHI Xian-jin, CAO Shuang, ZHANG Chong-sheng, TAO Yue-feng, LÜ Ling-ling, SHEN Xia-jiong (2020)
- Cross-Scene Foreground Segmentation Algorithm Based on High-Level Feature Differencing Between Frames
.....ZHANG Jin, LI Yang, REN Chuan-lun, HUANG Lian, WANG Shuai-hui, DUAN Ye-xin, PAN Zhi-song, XIE Jun (2032)
- Audio Scene Clustering Based on Joint Learning FrameworkZHANG Yu-han, LI Yan-xiong, JIANG Zhong-jie, CHEN Hao (2041)

SURVEYS AND REVIEWS

- Overview of Image Captions Based on Deep Learning
.....SHI Yi-le, YANG Wen-zhong, DU Hui-xiang, WANG Li-hua, WANG Ting, LI Shan-shan (2048)

CORRESPONDENCE

- Bidirectional Switched-Capacitor Converter Based on ResonanceXIA Shou-xing, ZHU Sa-sa, BAI Ruo-qi, SONG Jian-wei (2061)
- Channel Simulation Modeling at 23GHz in Urban Scenarios
.....ZHANG Wen-ru, WANG Wan-qiao, GUAN Ke, AI Bo, ZENG Yi, LAI Zheng-rong (2069)