刘真简介

【基本信息】

教师姓名:刘真	学历学位:研究生　博士
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【研究方向】

光通信与宽带信息网、人工智能与大数据分析

【主讲课程】

信息论与编码，宽带通信网络

【科研工作】

主持承担了省部级科研教研项目 2 项，市厅级科研项目 2 项，参研国家自然科学基金、省自然科学基金等各类纵向课题 3 项；主持并完成"某高校智慧水利系统"、"某区域智慧能耗系统"等横向项目，总经费达 90 余万。发表 SCI、EI 检索论文 10 余篇，获发明专利授权 3 项，其中 1 项专利已完成转化。

【代表论文】

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2. Zhen Liu, Jiawei Zhang, Yanan Li, Lin Bai, Yuefeng Ji. "Joint Jobs Scheduling and Lightpath Provisioning in Fog Computing Micro Datacenter Networks [J]", Journal of Optical Communications and Networking (JOCN), vol. 10, no.7, pp. B152-B163, 2018.

3. Zhen Liu, Jiawei Zhang, Yanan Li, Yuefeng Ji. Hierarchical MEC Servers Deployment and User-MEC Server Association in C-RANs over WDM Ring Networks[J] .Sensors, vol. 20, no.5, 2020.

4. Yuan Jia , Liu Zhen , Geng Hua. Design Longitudinal Control System Using Suitable T-Foil Modeling for the Offshore Wind Power Operation and Maintenance Vessel with Severe Sea States[J].Journal of Marine Science and Engineering, vol. 11, no.11, pp. 22, 2023.

5. Zhen Liu, Jiawei Zhang, Lin Bai, Yuefeng Ji. "Joint Jobs Scheduling and Routing for Metro-Scaled Micro Datacenters over Elastic Optical Networks [C]", Optical Networking and Communication Conference & Exhibition (OFC), M2E.3, San Diego, USA, 2018.

6. Zhen Liu, Jiawei Zhang, Zizheng Guo, Yuefeng Ji. "Multi-stage Aggregation and Lightpath Provisioning of Geo-distributed Data over EON Assisted by MEC [C]", Optical Networking and Communication Conference & Exhibition (OFC), M1A.5, San Diego, USA, 2020.

7. Zhen Liu, Jiawei Zhang, and Yuefeng Ji. "Cost Aware Mobile Edge Computing Hierarchical Deployment in Optical Interconnection Network [C]", Asia Communications and Photonics Conference (ACP), Hangzhou, China, 2018.

8. Zhen Liu, Jiawei Zhang, Zhiqun Gu. "Network and Computing-aware Edge Datacenter Placement and Content Placement in Edge Compute First Networking[C]", Asia Communications and Photonics Conference (ACP), Shenzhen, China, 2022.

【申请专利】

1. 刘真，李文竹，刘心.一种基于 KM 和贪心算法的边缘服务器部署和内容缓存方法.（ZL 202111009724.9，已转化）

2. 纪越峰，张佳玮，刘真，柏琳. 分布式数据多阶段聚合方法、设备、服务器和存储介质.（CN201911024064.4，已授权）

3. 刘心，刘真，李文竹.一种基于动态时隙的智能家居家庭器具优化调度方法.(CN201510311821.1,已转化).