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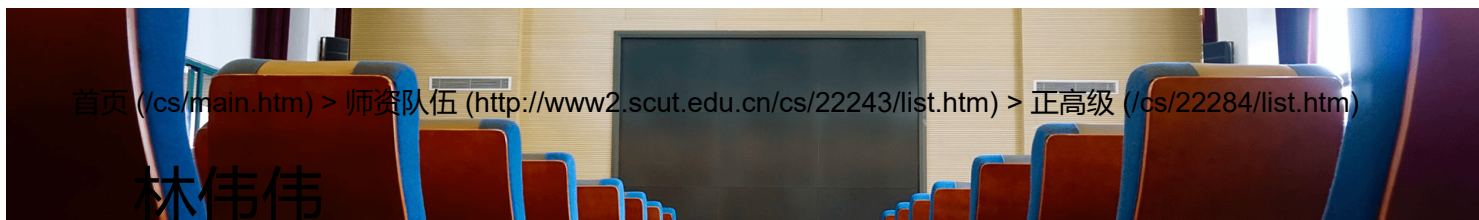
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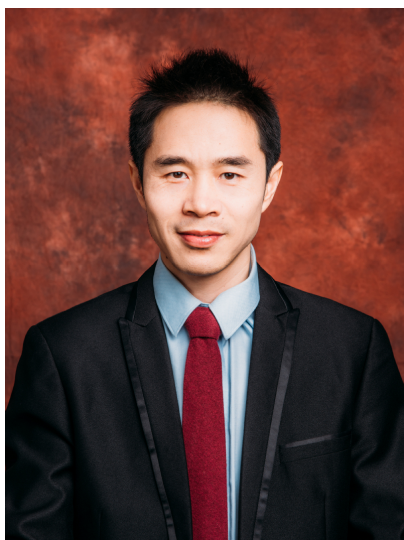
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基本信息



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所在团队：先进计算体系结构团队

研究方向：云计算能耗建模和调度优化、大数据架构和分析算法、AI应用技术

个人简介

林伟伟：华南理工大学计算机科学与工程学院教授、博士和硕士生导师。计算机学会高级会员，IEEE会员。主要的学术研究方向包括：云计算能耗建模和调度优化、大数据架构和分析算法、AI应用技术等。牵头获广东省科技进步奖二等奖（云计算调度优化技术）。主持云计算、大数据和人工智能方面的科研项目20余项，包括3项国家自然科学基金和多个省部级项目，具有丰富的项目研发经验。主编云计算与大数据系列教材3本，发表论文100余篇（代表性论文发表在TPDS, TCYB, TSC, TCC等优秀期刊上），申请40余件发明专利，成果得到了国际知名学者美国李克勤、澳洲Rajkumar Buyya和Albert Y. Zomaya等IEEE Fellow的认可，并将成果应用到华为技术有限公司、云宏信息科技股份有限公司、广州鼎甲计算机科技有限公司等企业，取得了良好的经济效益。

个人主页：<http://www.scholat.com/linweiwei>

学历

- ◆ 博士，2004.9-2007.7 华南理工大学 计算机应用技术
 - ◆ 硕士，2001.9-2004.7 南昌大学 计算机科学技术
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教学经历

本科课程

- ◆ 大数据技术 (Big Data Technology)
- ◆ 分布式计算技术 (Distributed Computing Technology)
- ◆ 高级程序设计语言 (Advanced Programming Language)
- ◆ 计算机组成原理 (Principles of Computer Organization)

研究生课程

- ◆ 云计算安全与监控 (Cloud computing Security and Monitoring)
 - ◆ 高级计算机体系结构 (Advanced Computer Architecture)
 - ◆ 大数据处理 (Big Data Processing)
-

工作经历

- ◆ 2007-至今 华南理工大学计算机科学与工程学院
 - ◆ 2016.7-2017.7 克莱姆森大学 访问学者
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获奖情况

- ◆2020年度广东省科技进步奖二等奖（云计算调度优化技术）
 - ◆2008年华工优秀博士毕业论文
 - ◆2011年本科毕业论文优秀指导老师
 - ◆2013第四届云计算学术大会优秀论文奖
 - ◆2013年度学生科技创新优秀指导教师
 - ◆13,14,15年本科课堂教学质量优秀教师奖
 - ◆2017年科技创新指导教师三等奖
 - ◆2019年优秀本科毕业论文指导教师
-

社会兼职

- ◆ 中国计算机学会高级会员，IEEE会员，担任多个国际国内学术期刊和学术会议的审稿人，如《Information Sciences》、《Future Generation Computer Systems》、《Journal of Supercomputing》、《KSII Transactions on Internet and Information Systems》、《IEEE Transactions on Parallel and Distributed Systems》、《Computers & Electrical Engineering》、《International Journal of Simulation and Process Modelling》、《International Journal of Intelligent Systems》、《Cluster Computing》、《Journal of Grid Computing》、《计算机学报》、《华南理工大学学报(自然科学版)》、《东南大学学报(自然科学版)》、《通信学报》、《计算机科学》、《计算机工程与科学》、《华中科技大学学报(自然科学版)》等。
-

研究方向

- ◆云计算能耗建模和调度优化
 - ◆大数据架构优化和分析算法
 - ◆人工智能应用技术
-

科研项目

- ◆ 17.国家自然科学基金面上项目（62072187）.云数据中心服务器的新功耗模型与节能方法. 2021.01-2024.12. 主持
- ◆16.广州市重点领域研发计划项目（202007040002）.基于AI及大数据的智慧银行综合应用系统. 2020/04-2023/03. 合作单位主持
- ◆15.华为技术有限公司委托企业横向项目（YBN2019125032）.云业务能效提升技术研发合作项目. 2020.1-2021.1，99万元， 主持

- ◆14.广东省重大应用基础研究项目(应用型专项), 2020B010164003, 基于国产CPU的云计算操作系统, 2019/10-2024/10, 4000万, 核心成员
- ◆13.广东省重点研发计划项目, 2017B010126002, 基于大数据的保险业潜客识别关键技术研发与应用推广, 2020/01-2021/12, 200万, 合作单位主持
- ◆12.华为技术有限公司委托企业横向项目 (YBN2018115159) . 云业务能耗模型技术研发项目. 2018.12-2019.12, 34.5万元, 主持
- ◆11.国家自然科学基金(子课题), 61872084, 基于虚拟集群与容器技术的跨云数据密集型 workflows 计算研究. 2019.01-2032.12, 64万元(直接经费), 合作单位主持
- ◆10.国家自然科学基金面上项目, 61772205, 面向云计算的虚拟机能耗模型及其应用方法研究, 2018/01-2021/12, 63万元(直接经费), 主持
- ◆9.广东省科技计划项目(应用型专项), 2017B010126002, 基于大数据的保险业潜客识别关键技术研发与应用推广, 2017/01-2019/12, 800万, 合作单位主持
- ◆8.广州市南沙区科技计划项目, 2017GJ001, 跨媒体大数据智能计算关键技术及应用平台研发, 2017/09-2019/08, 200万, 合作单位主持
- ◆7.广东省科技厅产学研项目, 2017B090901061, 自主安全可控的云计算平台关键技术研发, 2017/01-2018/12, 30万元, 合作单位主持
- ◆6.广东省科技计划项目, 2017A010101008, 面向大数据平台的多租户关键技术研发, 2017/01-2018/12, 30万, 主持
- ◆5.广州市科技计划项目, 201604010040, 云宏云计算管理平台的智能管理关键技术研发, 2015/04-2017/03, 40万元, 合作单位主持
- ◆4.国家自然科学基金青年科学基金项目, 61402183, 异构云环境下能耗高效调度模型与优化方法研究, 2015/01-2017/12, 26万元, 主持
- ◆3.广东省科技计划项目, 2014B010117001, 面向海量云存储用户的大数据分析关键技术研发及应用示范, 2015/01-2017/12, 50万元, 合作单位主持
- ◆2.国家自然科学基金青年科学基金项目, 61202466, 云计算环境下的安全外包计算研究, 2013/01-2015/12, 23万元, 第二参与人
- ◆1.广东省科技计划项目, 2013B010401024, 云存储的节能技术研发, 2013/06-2015/06, 10万元, 合作单位主持

发表文章

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申请专利

- 1.发明专利.一种面向异构平台的能耗优化调度方法（已授权）.中国, ZL201510765040.X. 2018.12. 林伟伟, 杨超.
- 2.发明专利.一种面向大数据的云容灾备份方法（已授权）.中国, ZL201510350060.0. 2018.02.林伟伟, 张子龙, 钟坯平
- 3.发明专利.一种基于云计算的大数据统一分析处理方法（已授权）.中国, ZL201310460030.6. 2018.04 .林伟伟; 齐德昱.
- 4.发明专利.一种基于分布式内存计算的数据去重方法（已授权）.中国, ZL201510670867.2. 2018.08. 林伟伟, 钟坯平, 利业鞅.
- 5.发明专利.基于服务发现和容器技术的大数据平台弹性伸缩方法（已授权）.中国,ZL201711062730.4. 2017.11.林伟伟、吴梓明、张子龙.
- 6.发明专利. 面向组件依赖的负载均衡容器调度方法（已授权）, 中国, ZL201711062824.1. 2017.11 . 林伟伟、吴梓明
- 7.发明专利.基于超资源融合的云计算体系的构造方法（已授权）, 中国, 201210444683.0. 2012.11 . 齐德昱、林伟伟、李剑
- 8.发明专利. 一种基于数据交互融合的计算机系统构造方法（已授权）, 中国, 201110266617.4. 2011.09 . 齐德昱、林伟伟、李剑
- 9.发明专利. 一种基于动态重配置虚拟资源的云计算资源调度方法（已授权）, 中国, 201010268105.7. 2010.09 . 林伟伟、齐德昱
- 10.发明专利. 一种基于部件能耗模型的云服务器能耗测算方法及系统,中国, 201710924039.6. 2017.09 . 林伟伟、王浩宇、吴文泰
- 11.发明专利 . 一种面向不同类型负载的多租户资源优化调度方法,中国, 2016109160594. 2016.10 . 林伟伟、温昂展、张子龙、张国强、李进
- 12.发明专利. 一种基于容器和虚拟机混合云环境下的负载动态迁移方法（申请号 201910494970.4）. 2019.06 . 林伟伟, 刘阳
- 13.发明专利. 一种面向容器集群的能耗优化资源调度系统及其方法（申请号 201811517271.9）. 2018.12 . 林伟伟、王泽涛

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