

言 湮

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— 🧑 个人简介 —

言湮，男，1988 年生，西安交通大学网络空间安全学院特聘研究员，博士生导师，西安交大青年拔尖人才计划入选者，华为思源学者，小米青年学者。言湮博士的主要研究方向为信息物理融合系统和隐私计算。主持了中国科技部国家重点研发计划项目课题、国家自然科学基金青年项目、陕西省“高层次创新创业人才”项目、华为技术有限公司“思源学者”项目、小米科技有限责任公司“小米青年学者”项目、西安交通大学高层次人才项目各 1 项，曾作为主要成员参与中国 973 计划、国家自然科学基金和美国国家科学基金等科研项目 15 项。已发表高水平论文 42 篇，其中第一和第一通讯作者论文 35 篇，包括全球前 1% ESI 高被引论文 1 篇，SCI 一区论文 12 篇，CCF-A 类论文 11 篇。获专利授权 9 项，软件著作权 2 项。获 IEEE ITS Society George N. Saridis 最佳论文奖（2 篇/年）、IEEE INFOCOM 最佳成果展示奖、弗吉尼亚大学杰出研究成果奖等奖励 14 项。

— 💡 研究经历 —

西安交通大学 特聘研究员 ↳ 网络空间安全学院	2021.03 – 现在 管晓宏院士团队
麻省理工学院 博士后研究学者 ↳ Senseable City Lab	2020.03 – 2021.02 Carlo Ratti 教授
中国科学院深圳先进技术研究院 访问学者 ↳ 云计算技术研究中心	2015.06 – 2015.08 须成忠教授
克莱姆森大学 研究助理 ↳ 电子与计算机工程学院	2013.08 – 2016.07 Helen Shen 教授

— 🎓 教育经历 —

弗吉尼亚大学 计算机科学博士学位	2016.08 – 2019.12 CGPA: 4.0/4.0 Charlottesville, VA, USA
佛罗里达大学 电子与计算机工程硕士学位	2011.08 – 2013.05 CGPA: 3.88/4.0 Gainesville, FL, USA
西安交通大学 信息工程直博博士生	2010.9 – 2011.06 西安, 中国
西安交通大学 信息工程学士学位	2006.9 – 2010.06 西安, 中国

— 🏆 获奖情况 —

小米青年学者 小米科技有限责任公司 1/20	2024
思源学者 华为技术有限公司 1/5	2021
George N. Saridis 最佳论文奖 IEEE ITS Society 2 篇/年	2020
杰出研究成果奖 弗吉尼亚大学 1/9	2018
最佳成果展示奖 IEEE INFOCOM 分会场唯一	2017

— ⚙️ 科研项目 —

小米青年学者项目 负责人 ↳ 小米科技有限责任公司	2025.01 – 2027.12 10.0 万元
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国家重点研发计划项目 课题负责人	2022.10 – 2025.09
↳ 中国科技部	540.0 万元
国家自然科学基金青年项目 负责人	2022.01 – 2024.12
↳ 国家自然科学基金委员会	30.0 万元
陕西省“高层次创新创业人才”项目 负责人	2022.01 – 2025.12
↳ 陕西省科学技术厅	150.0 万元
华为“思源学者”项目 负责人	2021.07 – 2024.06
↳ 华为技术有限公司	75.0 万元

已发表学术论文

• 期刊论文:

- [1] Yang B, **Yan L**, Li Z, Kao M, Gao H, Sun X, Shen C. Joint Privacy-Preserving Cloud Workload Prediction Based on Federated Learning[J]. IEEE/ACM Transactions on Networking (IEEE/ACM ToN, CCF-A 类期刊, SCI-1 区, 通讯作者), Early Access: 1–15, 2025.
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- [3] **Yan L**, Yang B, Shen H, Mahmud S, Foutz N Z, Anton J. MobiRescue: Optimal Dispatching of Rescue Teams under Flooding Disasters[J]. IEEE Transactions on Mobile Computing (IEEE TMC, CCF-A 类期刊, SCI-1 区), 24(10): 10622–10639, .
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- [10] **Yan L**, Shen H, Chen K, Liu G. MobileCopy: Improving Data Availability and File Search Efficiency in Delay Tolerant Networks Against Correlated Node Failure[J]. IEEE Transactions on Mobile Computing (IEEE TMC, CCF-A 类期刊, SCI-1 区), 20(1): 188–203, 2021.
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- [12] **Yan L**, Shen H. TOP: Optimizing Vehicle Driving Speed With Vehicle Trajectories for Travel Time Minimization and Road Congestion Avoidance[J]. ACM Transactions on Cyber-Physical Systems (**ACM TCPS**, **CCF-C 类期刊**), 4(2): 1–25, 2019.
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• 会议论文:

- [1] Yong X, **Yan L**, Li Z. Heterogeneity-aware Task Scheduling based on Personalized Federated Reinforcement Learning[C]. Proc. of ACM International Conference on Parallel Processing (**ACM ICPP**, **CCF-B 类会议**, **通讯作者**). 2025.
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- [5] Liu J, Cheng L, Sarker A, **Yan L**, Alo R A. DeepTrack: An ML-Based Approach to Health Disparity Identification and Determinant Tracking for Improving Pandemic Health Care[C]. Proc. of IEEE International Conference on Big Data (**IEEE BigData**, **CCF-C 类会议**). 2021.
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- [3] 岳高峰（本人指导的博士生），言涪. 一种多传感器异步信息融合方法及系统：中国发明专利，专利号：ZL202210504092.1[P]. 授权时间：2024.10.29.
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— 学术兼职 —

• 会议组织者

1. International Conference on Advanced Data Mining and Applications, 2025, TPC Member
2. IEEE World Forum on Public Safety Technology, 2024, TPC Member
3. IEEE International Conference on Computer Communications and Networks, 2022, TPC Member
4. ACM/IEEE Conference on Internet of Things Design and Implementation, 2021, Publication Chair

• 学术组织任职

1. 中国指挥与控制学会智能测评专业委员会委员
2. 中国人工智能学会会员
3. 公安部主管的《信息安全》杂志审稿专家
4. 西安市生态环境空间遥感应用学会的特聘专家

• 期刊审稿人

1. IEEE Transactions on Mobile Computing (IEEE TMC)
2. IEEE Transactions on Intelligent Transportation Systems (IEEE TITS)
3. IEEE Transactions on Services Computing (IEEE TSC)

• 会议审稿人

1. USENIX Annual Technical Conference (USENIX ATC), 2018
2. IEEE International Conference on Computer Communications (INFOCOM), 2014, 2017, 2018
3. IEEE International Conference on Network Protocols (ICNP), 2014, 2016
4. IEEE International Conference on Distributed Computing Systems (ICDCS), 2017
5. IEEE International Parallel & Distributed Processing Symposium (IPDPS), 2017