

石磊导师简介

石磊，博士毕业于北京邮电大学计算机科学与技术专业，目前为中国传媒大学媒体融合与传播国家重点实验室副研究员，国家舆情实验室核心研究成员，中国人工智能学会智能服务专委会委员、社会计算与社会智能专委会委员，中国人工智能学会会刊《智能系统学报》（北大核心，CSCD）编委及中国计算机学会会刊《计算机科学与探索》青年编委。担任 IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Computational Social Systems、IEEE Transactions on Industrial Informatics、通信学报、自动化学报、智能系统学报、ACM MM、NeurIPS、ICML、AAAI、ICLR、WWW 及 KDD 等国内外高水平期刊和会议审稿人，并担任多个 SCI 期刊专刊和专栏的客座主编。长期从事社交网络搜索与挖掘、舆情分析与监测、跨媒体语义学习、人工智能、智能信息处理等领域的研究工作，在包括 ACM MM、NeurIPS、AAAI、IEEE TCSS 等国内外重要期刊和会议上已发表论文 50 余篇，其中发表 SCI 论文 35 篇，发表 EI 论文 3 篇。申请和授权发明专利 9 项，登记软件著作权 2 项，出版专著 1 部，参与国家标准 9 项，获省部级批示 9 篇。获第六届 CCF 大数据学术会议(CCF Big Data 2018)最佳论文奖（1/300）。主持国家重点研发计划子课题 2 项、军科委项目 1 项，教育部重大项目子课题 1 项，其他纵向项目 4 项。

1、研究方向：

社交网络搜索与推荐、舆情分析与监测、大数据分析、人工智能、智能信息处理

2、科研成果：

- [1] 2022.10-2025.09 时空与情境关联的不良视听内容情感识别，国家重点研发计划子课题，项目负责人
- [2] 2018.07-2021.06 检察公开信息的范围评估模型及风险识别、预警与处置技术研究，国家重点研发计划子课题，项目负责人
- [3] 2024.08-2026.07 面向社交网络信息感知的少数民族舆情挖掘与监测研究，广西壮族自治区信息中心纵向课题，项目负责人

3、代表性论文：

- [1] **Shi Lei**, Yang J, Lv P, et al. Self-derived Knowledge Graph Contrastive Learning for Recommendation[C]//ACM Multimedia 2024.(CCF A 类会议， Oral)

- [2] **Shi Lei**, Du Junping, Liang Meiyu. Dynamic topic modeling via self-aggregation for short text streams[J]. Peer-to-Peer Networking and Applications, 2019, 12(5): 1403-1417.
- [3] **Shi Lei**, Du Junping, Liang Meiyu. SRTM: a sparse rnn-topic model for discovering bursty topics in big data of social networks[J]. Journal of Information Science and Engineering, 2019, 35(4): 749-767. (SCI)
- [4] **Shi Lei**, Du Junping, Kou Feifei. A Sparse Topic Model for Bursty Topic Discovery in Social Networks[J]. International Arab Journal of Information Technology, 2020, 17(5):816-824. (SCI)
- [5] **Shi Lei**, Cheng Gang. A word embedding topic model for topic detection and summary in social networks[J]. Measurement and Control, 2019, 52(9-10), 1289-1298.
- [6] **Shi Lei**, Guangjiang song. A user-based aggregation topic model for understanding user's preference and intention in social network[J]. Neurocomputing, 2020,6:1-13
- [7] **Shi Lei**, Du Junping, Cheng Gang. Cross-media search method based on complementary attention and generative adversarial network for social networks[J]. International Journal of Intelligent Systems, 2022, 37(8): 4393-4416.
- [8] **Shi Lei**, Luo Jia, Zhu Chuangying, et al. A survey on cross-media search based on user intention understanding in social networks[J]. Information Fusion, 2023, 91: 566-581. (SCI)
- [9] **石磊**, 杜军平, 梁美玉. 基于 RNN 和主题模型的社交网络突发话题发现[J]. 通信学报, 2018, 39(4): 189-198.
- [10] **石磊**, 杜军平, 周亦鹏. 在线社交网络挖掘与搜索技术研究[J]. 智能系统学报, 2016, 11(6): 777-787.
- [11] Yang J, **Shi Lei**, Lu T, et al. A Positive Sample Enhancement Algorithm with Fuzzy Nearest Neighbor Hybridization for Imbalance Data[J]. International Journal of Fuzzy Systems, 2024: 1-19.
- [12] Luo J, **Shi Lei**, Xue R, et al. Optimization models and solving approaches in relief distribution concerning victims' satisfaction: A review[J]. Applied Soft

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- [13] Lv P, Zhang Q, **Shi Lei**, et al. Exploring on role of location in intelligent news recommendation from data analysis perspective[J]. Information Sciences, 2024, 662: 120213.
- [14] Lv P, Zhang Q, Wu M, **Lei Shi**, et al. Intelligent extraction of medical entity relationship based on graph neural network and optimization strategy[J]. Knowledge-Based Systems, 2024, 294: 111735.
- [15] Jin H, Zhang Y, **Shi Lei**, et al. An End-To-End Graph Attention Network Hashing for Cross-Modal Retrieval[C]//The Thirty-eighth Annual Conference on Neural Information Processing Systems., 2025, 37: 2106-2126.
- [16] Chuangying Zhu, Du Junping, **Lei Shi**. Fast Discovery of Bursty Spatial-Temporal Topic[J]. Chinese Journal of Electronics, 2020, 29(1): 168-176.
- [17] Liu Yao, Shen Hao, **Shi Lei**. A review of rumor detection techniques in social networks[J]. Journal of Intelligent & Fuzzy Systems, 2023: 1-18
- [18] Feifei Kou, Junping Du, Wanqiu Cui, **Lei Shi**. Common Semantic Representation Method Based on Object Attention and Adversarial Learning for Cross-Modal Data in IoV[J]. IEEE Transactions on Vehicular Technology, 2019, 68(12): 11588-11598.
- [19] Wang S, Zhou F, Yang M, **Lei Shi**, et al. SGG-MVAR: Cross-Modal Retrieval with Scene Graph Generation and Multiview Attribute Relationship Guidance[J]. IEEE Transactions on Computational Social Systems, 2025.

4、在研项目：

国家重点研发计划子课题，时空与情境关联的不良视听内容情感识别，2022.10-2025.09，主持

广西壮族自治区信息中心纵向课题，面向社交网络信息感知的少数民族舆情挖掘与监测研究，2024.08-2026.07，主持

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