



## 师资队伍

Teaching staff

## 学术科研

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## 详细资料

Details



### 陈跃国

博士(新加坡国立大学, 2009), 教授, 博士生导师, 校杰出青年学者  
中国计算机学会数据库专家委员会秘书长  
数据工程与知识工程教育部重点实验室副主任...  
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更多

**教育经历** 博士 (新加坡国立大学, 2009)

本科、硕士 (清华大学, 2001、2004)

## 工作经历

## 研究方向

制造大数据的可视化分析、知识图谱、金融量化分析

## 讲授课程

数据科学导论(本科生19年春季开始)

## 科研项目

《制造大数据可视化分析系统》，国家重点研发项目课题

《政府治理大数据行为知识图谱关键技术研究》，国家自然科学基金联合基金重点支持项目

《面向高效大数据分析的加速技术》，某部委项目

《高端制造大数据管理系统评测基准和测试工具研制》，国家重点研发计划子课题

《高通量大数据实时商业智能系统产业化实现》，广东省重大科技计划项目

《海量RDF数据探索式搜索关键技术与系统研究》，国家自然科学基金面上项目

## 科研成果

部分论文节选:

--Yuanzhe Hao, Xiongpai Qin, Yueguo Chen, Yaru Li, Xiaoguang Sun, Yu Tao, Xiao Zhang and Xiaoyong Du. TS-Benchmark: A Benchmark for Time Series Databases. ICDE'21 (accepted).

--金国栋、卞昊穹、陈跃国、杜小勇. HDFS存储系统优化技术研究. 软件学报. 31(1): 137-161 (2020)

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--Denghao Ma, Yueguo Chen, Xiaoyong Du, Yuanzhe Hao: Interpreting Fine-Grained Categories from Natural Language Queries of Entity Search. DASFAA 2018: 861-877

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--Haoqiong Bian, Youxian Tao, Guodong Jin, Yueguo Chen, Xiongpai Qin, Xiaoyong Du: Rainbow: Adaptive Layout Optimization for Wide Tables. ICDE 2018: 1657-1660

--Zhaoan Dong, Jiaheng Lu, Tok Wang Ling, Ju Fan, Yueguo Chen: Using hybrid algorithmic-crowdsourcing methods for academic knowledge acquisition. Cluster Computing 20(4): 3629-3641 (2017)

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--Xiangling Zhang, Yueguo Chen, Jun Chen, Xiaoyong Du, Ke Wang, Ji-rong Wen: Entity Set Expansion via Knowledge Graphs. SIGIR 2017: 1101-1104

--Haoqiong Bian, Ying Yan, Wenbo Tao, Liang Jeff Chen, Yueguo Chen, Xiaoyong Du, Thomas Moscibroda: Wide Table Layout Optimization based on Column Ordering and Duplication. SIGMOD Conference 2017: 299-314

--Denghao Ma, Yueguo Chen, Jun Chen, Xiaoyong Du, Xiangliang Zhang. ESearch: Incorporating Text Corpus and Structured Knowledge for Open Domain Entity Search. WWW (Companion Volume) 2017: 253-256

--张香玲, 陈跃国, 毛文祥, 荣崔田, 杜小勇. 基于图模型的实体类型补全方法. 计算机学报. 40(10): 2352-2366 (2017)

--Jun Chen, Giulio Jacucci, Yueguo Chen, Tuukka Ruotsalo: SEED: Entity Oriented Information Search and Exploration. IUI Companion 2017:137-140

--张香玲, 陈跃国, 马登豪, 陈峻, 杜小勇. 实体搜索综述. 软件学报. 28(6): 1-22 (2017)

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--杜小勇, 陈峻, 陈跃国: 大数据探索式搜索研究. 通信学报. 36(12): 77-88 (2015)

--Chen Liu, Dongxiang Zhang, Yueguo Chen: Personalized Knowledge Visualization in Twitter. ER 2015: 409-423

--杜小勇, 陈跃国, 覃雄派: 大数据与OLAP系统. 大数据, 1(1) 5:1-13 (2015)

--Yueguo Chen, Xiongpai Qin, Haoqiong Bian, Jun Chen, Zhaoan Dong, Xiaoyong Du, Yanjie Gao, Dehai Liu, Jiaheng Lu, Huijie Zhang: A Study of SQL-on-Hadoop Systems. BPOE@ASPLOS/VLDB 2014: 154-166

--Yueguo Chen, Lexi Gao, Shuming Shi, Xiaoyong Du, Ji-Rong Wen: Improving Context and Category Matching for Entity Search. AAI 2014: 16-22

--Haoqiong Bian, Yueguo Chen, Xiaoyong Du, Xiaolu Zhang: MetKB: enriching RDF knowledge bases with web entity-attribute tables. CIKM 2013: 2461-2464

--Chuitian Rong, Wei Lu, Xiaoli Wang, Xiaoyong Du, Yueguo Chen, Anthony K. H. Tung: Efficient and Scalable Processing of String Similarity Join. IEEE Trans. Knowl. Data Eng. 25(10): 2217-2230 (2013)

--杜方, 陈跃国, 杜小勇. RDF 数据查询处理技术. 软件学报, 2013(06):1222-1242

--Jiajiu Liu, Zi Huang, Hong Cheng, Yueguo Chen, Heng Tao Shen, Yanchun Zhang. Presenting Diverse Location Views with Real-time Near-duplicate Photo Elimination. ICDE 2013: 505-516

--Xiaolu Zhang, Yueguo Chen, Jinchuan Chen, Xiaoyong Du, Lei Zou. Mapping Entity-Attribute Web Tables to Web-Scale Knowledge Bases. DASFAA 2013: 108-122

--Yu Sun, Jin Huang, Yueguo Chen, Rui Zhang and Xiaoyong Du. Location Selection for Utility Maximization with Capacity Constraints. CIKM 2012: 2154-2158

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--Yueguo Chen, Wei Wang, Xiaoyong Du, Xiaofang Zhou. Continuously monitoring the correlations of massive discrete streams. CIKM 2011: 1571-1576

--Yueguo Chen, Gang Chen, Ke Chen, Beng Chin Ooi: Efficient Processing of Warping Time Series Join of Motion Capture Data. ICDE 2009: 1048-1059

--Yueguo Chen, Su Chen, Yu Gu, Mei Hui, Feng Li, Chen Liu, Liangxu Liu, Beng Chin Ooi, Xiaoyan Yang, Dongxiang Zhang, Yuan Zhou: MarcoPolo: a community system for sharing and integrating travel information on maps. EDBT 2009: 1148-1151

--Yueguo Chen, Shouxu Jiang, Beng Chin Ooi, Anthony K. H. Tung: Querying Complex Spatio-Temporal Sequences in Human Motion Databases. ICDE 2008: 90-99

--Yueguo Chen, Mario A. Nascimento, Beng Chin Ooi, Anthony K. H. Tung: SpADe: On Shape-based Pattern Detection in Streaming Time Series. ICDE 2007: 786-795

## 社会兼职

中国计算机学会数据库专家委员会秘书长

## 荣誉获奖

2018年中国人民大学先进工作者

2017年教育部科技进步一等奖

2017年信息学院科研先进工作者

2016年信息学院社会服务先进工作者