# SIGMOD2018

1. [Sainyam Galhotra](http://dblp.org/pers/hd/g/Galhotra:Sainyam), [Donatella Firmani](http://dblp.org/pers/hd/f/Firmani:Donatella), [Barna Saha](http://dblp.org/pers/hd/s/Saha:Barna), [Divesh Srivastava](http://dblp.org/pers/hd/s/Srivastava:Divesh):  
   **Robust Entity Resolution using Random Graphs.** 3-18
2. [Sidharth Mudgal](http://dblp.org/pers/hd/m/Mudgal:Sidharth), [Han Li](http://dblp.org/pers/hd/l/Li:Han), [Theodoros Rekatsinas](http://dblp.org/pers/hd/r/Rekatsinas:Theodoros), [AnHai Doan](http://dblp.org/pers/hd/d/Doan:AnHai), [Youngchoon Park](http://dblp.org/pers/hd/p/Park:Youngchoon), [Ganesh Krishnan](http://dblp.org/pers/hd/k/Krishnan:Ganesh), [Rohit Deep](http://dblp.org/pers/hd/d/Deep:Rohit), [Esteban Arcaute](http://dblp.org/pers/hd/a/Arcaute:Esteban), [Vijay Raghavendra](http://dblp.org/pers/hd/r/Raghavendra:Vijay):  
   **Deep Learning for Entity Matching: A Design Space Exploration.** 19-34
3. [Jian Dai](http://dblp.org/pers/hd/d/Dai:Jian), [Meihui Zhang](http://dblp.org/pers/hd/z/Zhang:Meihui), [Gang Chen](http://dblp.org/pers/hd/c/Chen_0001:Gang), [Ju Fan](http://dblp.org/pers/hd/f/Fan:Ju), [Kee Yuan Ngiam](http://dblp.org/pers/hd/n/Ngiam:Kee_Yuan), [Beng Chin Ooi](http://dblp.org/pers/hd/o/Ooi:Beng_Chin):  
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4. [Ben McCamish](http://dblp.org/pers/hd/m/McCamish:Ben), [Vahid Ghadakchi](http://dblp.org/pers/hd/g/Ghadakchi:Vahid), [Arash Termehchy](http://dblp.org/pers/hd/t/Termehchy:Arash), [Behrouz Touri](http://dblp.org/pers/hd/t/Touri:Behrouz), [Liang Huang](http://dblp.org/pers/hd/h/Huang_0001:Liang):  
   **The Data Interaction Game.** 83-98
5. [Yinjun Wu](http://dblp.org/pers/hd/w/Wu:Yinjun), [Abdussalam Alawini](http://dblp.org/pers/hd/a/Alawini:Abdussalam), [Susan B. Davidson](http://dblp.org/pers/hd/d/Davidson:Susan_B=), [Gianmaria Silvello](http://dblp.org/pers/hd/s/Silvello:Gianmaria):  
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6. [Wenfei Fan](http://dblp.org/pers/hd/f/Fan:Wenfei), [Xueli Liu](http://dblp.org/pers/hd/l/Liu:Xueli), [Ping Lu](http://dblp.org/pers/hd/l/Lu:Ping), [Chao Tian](http://dblp.org/pers/hd/t/Tian:Chao):  
   **Catching Numeric Inconsistencies in Graphs.** 381-393
7. [Rong-Hua Li](http://dblp.org/pers/hd/l/Li:Rong=Hua), [Lu Qin](http://dblp.org/pers/hd/q/Qin:Lu), [Fanghua Ye](http://dblp.org/pers/hd/y/Ye:Fanghua), [Jeffrey Xu Yu](http://dblp.org/pers/hd/y/Yu:Jeffrey_Xu), [Xiaokui Xiao](http://dblp.org/pers/hd/x/Xiao:Xiaokui), [Nong Xiao](http://dblp.org/pers/hd/x/Xiao:Nong), [Zibin Zheng](http://dblp.org/pers/hd/z/Zheng:Zibin):  
   **Skyline Community Search in Multi-valued Networks.** 457-472
8. [Ziqi Wang](http://dblp.org/pers/hd/w/Wang:Ziqi), [Andrew Pavlo](http://dblp.org/pers/hd/p/Pavlo:Andrew), [Hyeontaek Lim](http://dblp.org/pers/hd/l/Lim:Hyeontaek), [Viktor Leis](http://dblp.org/pers/hd/l/Leis:Viktor), [Huanchen Zhang](http://dblp.org/pers/hd/z/Zhang:Huanchen), [Michael Kaminsky](http://dblp.org/pers/hd/k/Kaminsky:Michael), [David G. Andersen](http://dblp.org/pers/hd/a/Andersen:David_G=):  
   **Building a Bw-Tree Takes More Than Just Buzz Words.** 473-488
9. [Tim Kraska](http://dblp.org/pers/hd/k/Kraska:Tim), [Alex Beutel](http://dblp.org/pers/hd/b/Beutel:Alex), [Ed H. Chi](http://dblp.org/pers/hd/c/Chi:Ed_H=), [Jeffrey Dean](http://dblp.org/pers/hd/d/Dean:Jeffrey), [Neoklis Polyzotis](http://dblp.org/pers/hd/p/Polyzotis:Neoklis):  
   **The Case for Learned Index Structures.** 489-504
10. [Tao Guo](http://dblp.org/pers/hd/g/Guo:Tao), [Kaiyu Feng](http://dblp.org/pers/hd/f/Feng:Kaiyu), [Gao Cong](http://dblp.org/pers/hd/c/Cong:Gao), [Zhifeng Bao](http://dblp.org/pers/hd/b/Bao:Zhifeng):  
    **Efficient Selection of Geospatial Data on Maps for Interactive and Visualized Exploration.** 567-582
11. [Dong Deng](http://dblp.org/pers/hd/d/Deng:Dong), [Yufei Tao](http://dblp.org/pers/hd/t/Tao:Yufei), [Guoliang Li](http://dblp.org/pers/hd/l/Li_0001:Guoliang):  
    **Overlap Set Similarity Joins with Theoretical Guarantees.** 905-920
12. [Jing Tang](http://dblp.org/pers/hd/t/Tang_0004:Jing), [Xueyan Tang](http://dblp.org/pers/hd/t/Tang:Xueyan), [Xiaokui Xiao](http://dblp.org/pers/hd/x/Xiao:Xiaokui), [Junsong Yuan](http://dblp.org/pers/hd/y/Yuan:Junsong):  
    **Online Processing Algorithms for Influence Maximization.** 991-1005
13. [Eyal Dushkin](http://dblp.org/pers/hd/d/Dushkin:Eyal), [Tova Milo](http://dblp.org/pers/hd/m/Milo:Tova):  
    **Top-k Sorting Under Partial Order Information.** 1007-1019（姚婷婷）
14. [Jiawei Jiang](http://dblp.org/pers/hd/j/Jiang:Jiawei), [Fangcheng Fu](http://dblp.org/pers/hd/f/Fu:Fangcheng), [Tong Yang](http://dblp.org/pers/hd/y/Yang_0003:Tong), [Bin Cui](http://dblp.org/pers/hd/c/Cui_0001:Bin):  
    **SketchML: Accelerating Distributed Machine Learning with Data Sketches.** 1269-1284（已选—张逸凡）
15. [Gensheng Zhang](http://dblp.org/pers/hd/z/Zhang:Gensheng), [Damian Jimenez](http://dblp.org/pers/hd/j/Jimenez:Damian), [Chengkai Li](http://dblp.org/pers/hd/l/Li:Chengkai):  
    **Maverick: Discovering Exceptional Facts from Knowledge Graphs.** 1317-1332（已选---钟鹏）、

[1] Sainyam Galhotra，Donatella Firmani，Barna Saha，Divesh Srivastava：  
使用随机图的鲁棒实体分辨率。 3-18  
[2] Sidharth Mudgal，Han Li，Theodoros Rekatsinas，AnHai Doan，Youngchoon Park，Ganesh Krishnan，Rohit Deep，Esteban Arcaute，Vijay Raghavendra：  
实体匹配的深度学习：一种设计空间探索。 19-34  
[3] Jian Jian，张美辉，陈刚，鞠凡，Kee Yuan Ngiam，Beng Chin Ooi：  
医疗保健中使用神经网络的细粒度概念链接。 51-66  
[4] Ben McCamish，Vahid Ghadakchi，Arash Termehchy，Behrouz Touri，Liang Huang：  
数据交互游戏。 83-98  
[5]吴银军，Abdussalam Alawini，Susan B. Davidson，Gianmaria Silvello：  
数据引用：在信用到期时给予信用。 99-114  
[6]范文飞，刘雪莉，陆平，赵天：  
在图中捕捉数字不一致。 381-393  
[7]李荣华，陆勤，叶芳华，徐钰雯，肖小葵，农晓，郑子斌：  
多值网络中的Skyline社区搜索。 457-472  
[8] Zizi Wang，Andrew Pavlo，Hyeontaek Lim，Viktor Leis，Huanchen Zhang，Michael Kaminsky，David G. Andersen：  
建立Bw-Tree不仅仅是流行语。 473-488  
[9] Tim Kraska，Alex Beutel，Ed H. Chi，Jeffrey Dean，Neoklis Polyzotis：  
学习指数结构的案例。 489-504  
[10]郭涛，冯开宇，高聪，朱志峰：  
在地图上有效选择地理空间数据进行交互式和可视化探索。 567-582  
[11]董登，陶玉飞，李国良：  
重叠集相似性与理论保证相结合。 905-920  
[12]唐静，唐雪岩，肖小葵，袁俊松：  
影响最大化的在线处理算法。 991-1005

# VLDB2018

##### On Optimizing Operator Fusion Plans for Large-Scale Machine Learning in SystemML

##### Ease.ml: Towards Multi-tenant Resource Sharing for Machine Learning Workloads

##### RC-Index: Diversifying Answers to Range Queries

##### TOAIN: A Throughput Optimizing Adaptive Index for Answering Dynamic kNN Queries on Road Networks

##### Efficient Construction of Approximate Ad-Hoc ML models Through Materialization and Reuse

##### Efficient Algorithms for Adaptive Influence Maximization

##### ProbeSim: Scalable Single-Source and Top-k SimRank Computations on Dynamic Graphs

##### Subgraph Matching: on Compression and Computation

##### An Optimal and Progressive Approach to Online Search of Top-K Influential Communities

##### Maximum Co-located Community Search in Large Scale Social Networks

##### 2SCENT: An Efficient Algorithm to Enumerate All Simple Temporal Cycles

##### Real-time Constrained Cycle Detection in Large Dynamic Graphs(杨云选)

1. 优化SystemML中大规模机器学习的算子融合方案  
   [2] Ease.ml：面向机器学习工作量的多租户资源共享  
   [3] RC-Index：范围查询的多样化答案  
   [4] TOAIN：用于在道路网络上应答动态kNN查询的吞吐量优化自适应索引  
   [5]通过物化和重用有效构建近似Ad-Hoc ML模型  
   [6]自适应影响最大化的有效算法  
   [7] ProbeSim：动态图上的可扩展单源和前k个SimRank计算  
   [8]子图匹配：关于压缩和计算  
   [9]一种优化和渐进的在线搜索Top-K影响社区的方法  
   [10]大规模社交网络中的最大共处社区搜索  
   [11]有效和高效的动态图形着色  
   [12] 2SCENT：一种计算所有简单时间周期的有效算法  
   [13]大动态图中的实时约束周期检测

##### Clustering Uncertain Graphs（陈梓扬）

##### Efficient Structural Graph Clustering: An Index-Based Approach（陈灵芝）

##### Locality-Sensitive Hashing for Earthquake Detection: A Case Study Scaling Data-Driven Science（已选---黄威）

# ICDE2018

###### DeepEye: Towards Automatic Data Visualization

###### Efficient Computing of Radius-Bounded k-Cores

###### Efficient Signed Clique Search in Signed Networks

###### Mining Density Contrast Subgraphs

###### FAST: Frequency-Aware Indexing for Spatio-Textual Data Streams

###### An Efficient Probabilistic Approach for Graph Similarity Search

###### Efficient SimRank Tracking in Dynamic Graphs

###### Diversified Coherent Core Search on Multi-Layer Graphs

###### Flexible Aggregate Nearest Neighbor Queries in Road Networks

###### Persistent Community Search in Temporal Networks

###### TPA: Fast, Scalable, and Accurate Method for Approximate Random Walk with Restart on Billion Scale Graphs

###### Efficient Computation of A Near-Maximum Independent Set Over Evolving Graphs

###### Finding Diverse Neighbors in High Dimensional Space（dblp没找着）

###### Query Independent Scholarly Article Ranking（dblp没找着）

###### Learning to Route with Sparse Trajectory Sets（已选 ---庞建成）

###### Efficient Probabilistic K-Core Computation on Uncertain Graphs（dblp没找着）

[1] DeepEye：迈向自动数据可视化  
[2]半径有界k-核的有效计算  
[3]签名网络中的高效签名集团搜索  
[4]采矿密度对比子图  
[5]快速：空间 - 文本数据流的频率感知索引  
[6]一种有效的图形相似性搜索概率方法  
[7]动态图中的高效SimRank跟踪  
[8]多层图上的多样相干核搜索  
[9]道路网络中的灵活聚合最近邻查询  
[10]时间网络中的持久性社区搜索  
[11] TPA：快速，可扩展准确的方法，用于在十亿比例图上重启的近似随机游走  
[12]在演化图上的近似最大独立集的有效计算  
[13]在高维空间中寻找不同的邻居（dblp没找着）  
[14]查询独立学术文章排名（dblp没找着）

# KDD2018

1. Voxel Deconvolutional Networks for 3D Brain Image Labeling Yongjun Chen (Washington State University); Hongyang Gao (Washington State University); Lei Cai (Washington State University); Min Shi (Washington State University); Dinggang Shen (The University of North Carolina at Chapel Hill); Shuiwang Ji (Washington State University)
2. IntelliLight: a Reinforcement Learning Approach for Intelligent Traffic Light Control Hua Wei (The Pennsylvania State University); Guanjie Zheng (The Pennsylvania State University); Huaxiu Yao (The Pennsylvania State University); Zhenhui Li (The Pennsylvania State University)
3. StockAssIstant: A Stock AI Assistant for Reliability Modeling of Stock Comments Chen Zhang (360 Search Lab); Hao Wang (360 Search Lab); Changying Du (360 Search Lab); Yijun Wang (LineZone Data); Can Chen (LineZone Data); Hongzhi Yin (The University of Queensland)
4. You Are How You Drive: Peer and Temporal‑Aware Representation Learning for Driving Behavior Analysis Pengyang Wang (Missouri University of Science and Technology); Yanjie Fu (Missouri University of Science and Technology); Jiawei Zhang (Florida State University); Pengfei Wang (CNIC, Chinese Academy of Sciences); Yu Zheng (Urban Computing Business Unit, JD Finance); Charu Aggarwal (IBM)
5. Exploring the Urban Region‑of‑Interest through the Analysis of Online Map Search Queries Ying Sun (ICT, CAS); Hengshu Zhu (Baidu Inc.); Fuzhen Zhuang (Institute of Computing Technology, Chinese Academy of Sciences); Jingjing Gu (NUAA, Nanjing); Qing He (Institute of Computing Technology, CAS)
6. SpotLight: Detecting Anomalies in Streaming Graphs Dhivya Eswaran (Carnegie Mellon University); Christos Faloutsos (Carnegie Mellon University); Sudipto Guha (Amazon); Nina Mishra (Amazon)
7. Adversarial Attacks on Neural Networks for Graph Data Daniel Zügner (Technical University of Munich); Amir Akbarnejad (Technical University of Munich); Stephan Günnemann (Technical University of Munich)
8. XiaoIce Band:A Melody and Arrangement Generation Framework for Pop Music Hongyuan Zhu (USTC); Qi Liu (USTC); Nicholas Jing Yuan (Microsoft); Chuan Qin (USTC); Jiawei Li (Soochow University); Kun Zhang (USTC); Guang Zhou (Microsoft); Furu Wei (Microsoft); Yuanchun Xu (Microsoft); Enhong Chen (USTC)
9. [1]用于3D脑图像标记的体素反卷积网络Yongjun Chen（华盛顿州立大学）;高红阳（华盛顿州立大学）;雷彩（华盛顿州立大学）;闵世（华盛顿州立大学）;沉丁刚（北卡罗来纳大学教堂山分校）;水王吉（华盛顿州立大学）  
   [2] IntelliLight：智能交通灯控制的强化学习方法华伟（宾夕法尼亚州立大学）;郑冠杰（宾夕法尼亚州立大学）; Huaxiu Yao（宾夕法尼亚州立大学）;李振辉（宾夕法尼亚州立大学）  
   [3] StockAssIstant：股票AI助手可靠性建模股票评论Chen Zhang（360搜索实验室）;王浩（360搜索实验室）; Changying Du（360搜索实验室）;王义军（LineZone Data）;陈能（LineZone数据）;尹洪志（昆士兰大学）  
   [4]你是如何驾驭的：同伴和时间？意识表现学习驾驶行为分析彭鹏旺（密苏里科技大学）; Yanjie Fu（密苏里科技大学）;张嘉伟（佛罗里达州立大学）;王鹏飞（CNIC，中国科学院）;俞铮（城市计算业务部，JD Finance）; Charu Aggarwal（IBM）  
   [5]通过对在线地图搜索查询的分析探索城市区域的兴趣孙莹（ICT，CAS）;朱恒书（百度公司）;傅珍珍（中国科学院计算技术研究所）;顾晶晶（NUAA，南京）;清河（中国科学院计算技术研究所）  
   [6] SpotLight：检测流图中的异常Dhivya Eswaran（卡内基梅隆大学）; Christos Faloutsos（卡内基梅隆大学）; Sudipto Guha（亚马逊）;尼娜米什拉（亚马逊）  
   [7]图形数据的神经网络的对抗性攻击DanielZügner（慕尼黑技术大学）; Amir Akbarnejad（慕尼黑技术大学）; StephanGünnemann（慕尼黑工业大学）  
   [8]小冰带：流行音乐的旋律和安排生成框架朱宏源（中国科学技术大学）;齐刘（中国科技大学）; Nicholas Jing Yuan（微软）;川琴（中国科技大学）;李嘉伟（苏州大学）;张坤（中国科技大学）;广州（微软）; Furu Wei（微软）;徐元春（微软）;陈恩宏（中国科学技术大学）
10. Geographical Hidden Markov Tree for Flood Extent Mapping Miao Xie (University of Alabama); Zhe Jiang (University of Alabama); Arpan Man Sainju (University of Alabama)陈梓扬
11. Dynamic Bike Reposition: A Spatio‑Temporal Reinforcement Learning Approach Yexin Li (The Hong Kong University of Science and Technology); Yu Zheng (Urban Computing Business Unit, JD Finance); Qiang Yang (The Hong Kong University of Science and Technology)钟鹏
12. Simultaneous Urban Region Function Discovery and Popularity Estimation Via an Infinite Urbanization Process Model Bang Zhang (CSIRO); Lelin Zhang (CSIRO); Ting Guo (CSIRO); Yang Wang (CSIRO); Fang Chen (CSIRO) 林铿
13. Efficient Similar Region Search with Deep Metric Learning Yiding Liu (Nanyang Technological University); Kaiqi Zhao (Nanyang Technological University); Gao Cong (Nanyang Technological University) （张艺凡）
14. LARC: Learning Activity‑Regularized overlapping Communities across Time Alexander Gorovits (University at Albany‑SUNY); Ekta Gujral (University of California Riverside); Evangelos Papalexakis (University of California Riverside); Petko Bogdanov (University at Albany‑SUNY) (唐豪杰)
15. NetLSD: Hearing the Shape of a Graph Anton Tsitsulin (Hasso Plattner Institute); Davide Mottin (Hasso Plattner Institute); Panagiotis Karras (Aarhus University); Alexander Bronstein (Israel Institute of Technology); Emmanuel Müller (Hasso‑Plattner‑Institute)（陈灵芝）
16. Trajectory‑driven Influential Billboard Placement Ping Zhang (Wuhan University); Zhifeng Bao (RMIT University); Yuchen Li (Singapore Management University); Guoliang Li (Tsinghua University); Yipeng Zhang (RMIT University); Zhiyong Peng (Wuhan University)（庞建成）
17. NetWalk: A Flexible Deep Embedding Approach for Anomaly Detection in Dynamic Networks Wenchao Yu (University of California, Los Angeles); Wei Cheng (NEC Labs America); Charu Aggarwal (IBM); Kai Zhang (NEC); Haifeng Chen (NEC); Wei Wang (University of California, Los Angeles)(姚婷婷)
18. Graph Convolutional Neural Networks for Web‑Scale Recommender Systems Rex Ying (Stanford University & Pinterest); Ruining He (Pinterest ); Kaifeng Chen (Pinterest & Stanford University); Pong Eksombatchai (Pinterest); William L. Hamilton (Stanford University); Jure Leskovec (Stanford University & Pinterest) （已选---林铿）
19. Detecting Vehicle Illegal Parking Events using Sharing Bikes' Trajectories Tianfu He (Harbin Institute of Technology); Jie Bao (Urban Computing Business Unit, JD Finance); Ruiyuan Li (Xidian University & Urban Computing Business Unit, JD Finance); Sijie Ruan (Xidian University & Urban Computing Business Unit, JD Finance); Yanhua Li (Worcester Polytechnic Institute); Chao Tian (Beijing Mobike Technology Co., Ltd); Yu Zheng (Urban Computing Business Unit, JD Finance & Xidian University)(已选---唐豪杰)