# 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):  
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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):  
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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):  
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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):  
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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):  
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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=):  
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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):  
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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):  
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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):  
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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):  
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13. [Eyal Dushkin](http://dblp.org/pers/hd/d/Dushkin:Eyal), [Tova Milo](http://dblp.org/pers/hd/m/Milo:Tova):  
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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):  
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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

# 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

##### Effective and Efficient Dynamic Graph Coloring

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

##### Real-time Constrained Cycle Detection in Large Dynamic Graphs

##### Clustering Uncertain Graphs

##### Efficient Structural Graph Clustering: An Index-Based Approach

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

# 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

###### Query Independent Scholarly Article Ranking

###### Learning to Route with Sparse Trajectory Sets

###### Efficient Probabilistic K-Core Computation on Uncertain Graphs

# 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. Geographical Hidden Markov Tree for Flood Extent Mapping Miao Xie (University of Alabama); Zhe Jiang (University of Alabama); Arpan Man Sainju (University of Alabama)
10. 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)
11. 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)
12. Efficient Similar Region Search with Deep Metric Learning Yiding Liu (Nanyang Technological University); Kaiqi Zhao (Nanyang Technological University); Gao Cong (Nanyang Technological University)
13. 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)
14. 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)
15. 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)
16. 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)
17. 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)
18. 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)