INARC_Awards_and_OutReach

Please list all of the major research or personal achievements, including research awards, keynote speeches, invited talks, and so on.

INARC and IPAN News, Out-Reach and Prominent Awards

2014 Major Awards and Honors

1. **Best Student Paper (Runner-Up) Award**: Miguel Araujo, Spiros Papadimitriou, Stephan Gunnemann, Christos Faloutsos, Prithwish Basu, Ananthram Swami, Evangelos E. Papalexakis, and Danai Koutra, "Com2: Fast Automatic Discovery of Temporal (?Comet?) Communities", Proc. of 2014 Pacific-Asia Conf. on Knowledge Discovery and Data Mining (PAKDD'14), Tainan, Taiwan, May 2014.

2. **Best Paper Award**: Emrah Onal (SA Technologies), James Schaffer (UCSB), John O'Donovan (UCSB), Laura R. Marusich (ARL), Michael S. Yu (CMU), Cleotilde Gonzalez (CMU), Tobias Höllerer (UCSB), "Decision-making in Abstract Trust Games: A User Interface Perspective", CogSIMA 2014 (IEEE International Inter-Disciplinary Conf. on Cognitive Methods in Situation Awareness and Decision Support), March 3-6, 2014, San Antonio, TX, USA.

3. **Charu Aggarwal**: is going to receive Test of Time Award at EDBT 2014 for the paper: Charu C. Aggarwal and Philip S. Yu: A Condensation Approach to Privacy Preserving Data Mining. EDBT 2004, 183-199.

4. **Heng Ji** has received Google Research Award at 2014

5. **Dan Roth**: named as one of Best Advisors in the College of Engineering, UIUC in May 2014.

6. **Jaious Han**: named as one of Best Advisors in the College of Engineering, UIUC in May 2014

2014 Tutorials, Conference Keynote Speeches, Invited Seminars, and Short Courses{*}

1. **Dan Roth**: Keynote talk at the European ACL conference (EACL), 2014.

2. **Xifeng Yan**: Keynote talk, "Schemamless Graph Querying", in the 5th International Workshop on Graph Data Management: Techniques and Applications (GDM 2014).

3. **Dan Roth and Heng Ji**: Conference tutorial at ACL2014: Dan Roth, Heng Ji, Ming-Wei Chang and Taylor Cassidy. 2014. Wikification and Beyond: The Challenges of Entity and Concept Grounding. Tutorial at the 52nd Annual Meeting of the Association for Computational Linguistics (ACL2014).

4. **Jaious Han's group**: Conference tutorial at SIGMOD'14: Jiawei Han and Chi Wang, "Mining Latent Entity Structures from Massive Unstructured and Interconnected Data", (Conference Tutorial), Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2013.

5. **Jaious Han's group**: Conference tutorial at WWW'14: Lidan Wang, Jimmy Lin, Donald Metzler and Jiawei Han, "Learning to Efficiently Rank on Big Data", Tutorial at 2014 Int. World-Wide Web Conf. (WWW'14), Seoul, Korea, April 2014.

2012-13 Major Awards and Honors

1. **Tarek Abdelzaher**: received the Outstanding Achievement and Leadership Award of the IEEE Technical Committee on Real-Time Systems (2012). This award is given by IEEE to one person per year "to recognize individuals for their outstanding technical achievement and leadership". Recent recipients include Professor Wei Zhao, the Rector of the University of Macao (2011), Dr. Ted Baker, the NSF program manager on Cyber-Physical Systems (2010), and Prof. Raj Rajkumar, a George Westinghouse Professor at CMU (2009).

2. **Christos Faloutsos**: Best paper award (CIKM’12): Hanghang Tong, B. Aditya Prakash, Tina Eliassi-Rad, Michalis Faloutsos, Christos Faloutsos, "Gelling, and Melting, Large Graphs by Edge Manipulation", at 2012 Int. Conf. on Information and Knowledge Management (CIKM’12), Maui, Hawaii, USA, Oct. 2012. Only one such award was given, out of 1099 submissions and 146 ones accepted as full papers. This is a cross-center close collaboration, with SCNARC and INARC joint work.

3. **Christos Faloutsos**: Three ex-advisees win dissertation awards
   1. Robson Cordeiro (co-advisee): CS Best dissertation award in whole of Brazil, 2012
   2. Lei Li: KDD best dissertation award runner-up, 2012

4. **Jaious Han’ ex-PhD student**, Yizhou Sun (now assistant professor of Northeastern Univ.) received 2013 ACM SIGKDD Doctoral Dissertation Award for her Ph.D. thesis (2012) “Mining heterogeneous information networks”.

5. **Jaious Han’s PhD student**, Brandon Norick, received NSF Graduate Fellowship (2013-2014).


7. **Jaious Han’s PhD student**, Marina Danilevsky, received NSF Graduate Fellowship (2013-2014).

8. **Jaious Han’s PhD student**, Timothy Weninger, received NSF Graduate Fellowship (2012-2013). (Note: He received Ph.D. in August 2013 and joined Univ. of Notre Dame as assistant professor in Fall 2012).


10. **Jaious Han**: UIUC Jiawei Han's team received ACM SIGKDD KDDCUP award at KDD 2013 (ranked no. 2 on track 2 out of 275 competing teams); won the 2nd place of Track 2 competition "Author Disambiguation in Bibliographic Data" with the techniques described in Jialu Liu, Kin Hou Lei, Jeffery Yufei Liu, Chi Wang, and Jiawei Han, "Ranking-Based Name Matching for Author Disambiguation in Bibliographic Data", Proc. of KDD Cup 2013 Workshop (KDDCUP’13), Chicago, IL, Aug. 2013.
11. Jiawei Han + Heng Ji: ICDM'13: invited to the journal “Knowledge and Information Systems” as one of the best papers of ICDM’13 for the paper: Chi Wang, Marina Danilevsky, Jialu Liu, Nihit Desai, Heng Ji, and Jiawei Han, “Constructing Topical Hierarchies in Heterogeneous Information Networks”, Proc. 2013 IEEE Int. Conf. on Data Mining (ICDM’13), Dallas, TX, Dec. 2013.

12. Jiawei Han + Alice Leung + Tom La Porta: KDD’13: invited to the journal "ACM Transactions on Knowledge Discovery from Data (TKDD)" Special Issue of “Selected Papers of KDD’13” as one of the best papers of KDD’13 for the paper: Lu-An Tang, Xiao Yu, Quanquan Gu, Jiawei Han, Alice Leung, and Thomas La Porta, "Mining Lines in the Sand: On Trajectory Discovery From Untrustworthy Data in Cyber-Physical System ", Proc. of 2013 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD’13), Chicago, IL, Aug. 2013.

13. Jiawei Han: SDM’13: invited to the journal "Statistical Analysis and Data Mining" Special Issue of "Best of SDM 2013" as one of the best papers of SDM’13 for the paper: Hongbo Deng, Jiawei Han, Hao Li, Heng Ji, Hongning Wang, and Yue Lu, “Exploring and Inferring User-User Pseudo-Friendship for Sentiment Analysis with Heterogeneous Networks”, Proc. of 2013 SIAM Data Mining Conf. (SDM’13), Austin, TX, May 2013.

14. Jiawei Han: ICDM’12: Selected for one of the best papers for invited to the journal "Knowledge and Information Systems" for the paper: Hyungsul Kim, Yizhou Sun, Julia Hockenmaier, and Jiawei Han, “ETM: Entity Topic Models for Mining Documents Associated with Entities”, Proc. of 2012 IEEE Int. Conf. on Data Mining (ICDM’12), Brussels, Belgium, Dec. 2012.

15. Jiawei Han: UIUC Excellence in Graduate and Professional Teaching Award (2012)

16. Jiawei Han and Xifeng Yan: 2012 KDD Best Student Paper Award: Yizhou Sun, Brandon Norick, Jiawei Han, Xifeng Yan, Philip S. Yu, Xiao Yu, “Integrating Meta-Path Selection with User-Guided Object Clustering in Heterogeneous Information Networks”, at 2012 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD’12), Beijing, China, Aug. 2012 (the research paper has been recommended to the journal ACM TKDD special issue on KDD’12).

17. Jiawei Han: 2012 KDD Best Paper Award candidate and 2011 KDD Best Poster Award: Ming Ji, Binbin Lin, Xiaolei He, Deng Cai, Jiawei Han, “Parallel Field Ranking”, at 2012 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD’12), Beijing, China, Aug. 2012 (the research paper has been recommended to the journal ACM TKDD special issue on KDD’12).

18. Jiawei Han and Heng Ji: Best of SDM 2013: Hongbo Deng, Jiawei Han, Hao Li, Heng Ji, Hongning Wang, and Yue Lu, “Exploring and Inferring User-User Pseudo-Friendship for Sentiment Analysis with Heterogeneous Networks”, Proc. of 2013 SIAM Data Mining Conf. (SDM’13), Austin, TX, May 2013, has been selected as SAM (Statistical Analysis and Data Mining) Special Issue of “Best of SDM 2013”.

19. Jiawei Han: 2012 JCDL Vannevar Bush Best Paper Award: Hongbo Deng, Jiawei Han, Michael R. Lyu and Irwin King, "Modeling and Exploring Heterogeneous Bibliographic Networks for Expertise Ranking", Proc. 2012 ACM/IEEE Joint Conf. on Digital Libraries (JCDL’12), Washington, D.C., June 2012.

20. Jiawei Han: Marina Danilevsky (supervised by Jiawei Han) received NSF graduate fellowship (2012-2013)

21. Jiawei Han: Chi Wang (supervised by Jiawei Han) received Microsoft Ph.D. fellowship (2012-2013)

22. Tobias Hollier: received ACM Distinguished Member grade at 2013!

23. Heng Ji appointed as Edward G. Hamilton Development Chair Associate Professor in Computer Science Department of Rensselaer Polytechnic Institute (2013)

24. Heng Ji received "AI's 10 to Watch" Award by IEEE Intelligent Systems in 2013.

25. Heng Ji: IBM Watson Faculty Award (2012)

26. Heng Ji: CUNY Chancellor’s "Salute to Scholar" Award (2012 again)

27. Heng Ji: CUNY Employee Recognition Award (2013)

28. Heng Ji: CUNY Sloan Faculty Award (2012)


30. Dan Roth’s PhD student Stephen Mayhew was named a Siebel Scholar (2013-2014)

31. Dan Roth: UIUC Dan Roth’s team placed first in the CoNLL Shared Task on Grammatical Error Correction at CoNLL’13. Techniques used are described in A. Rozovskaya and K.-W. Chang and M. Sammons and D. Roth, “The University of Illinois System in the CoNLL-2013 Shared Task” CoNLL Shared Task; Sofia, Bulgaria; August 2013.

32. Dan Roth: ACL Fellow. This is the second year since ACL (Association of Computational Linguistics; the professional society for the Natural Language Processing Community) introduced the ACL Fellow program, and only 5 (five) are awarded each year, where 1-2 are reserved for people from Asia, so this is very competitive and a very high honor.

33. William A. Wallace (RPI/SCNARC/IPAN-P3): Rensselaer Polytechnic Institute William H. Wiley Distinguished Faculty Award 2013

34. William A. Wallace (RPI/SCNARC/IPAN-P3): Rensselaer Polytechnic Institute School of Engineering Outstanding Professor Award 2012

35. Mudhakar Srivatsa: received IBM Master inventor award (2013)!

36. Xifeng Yan: Arijit Khan (supervised by Xifeng Yan) from UCSB/INARC received IBM Ph.D. Fellowship Award 2012-2013.

37. Xifeng Yan: ICDE 2013 best poster award for the paper: Yinghui Wu, Shengqi Yang, and Xifeng Yan, "Ontology-based Subgraph Querying", Proc. of 2013 Int. Conf. on Data Engineering (ICDE’13), Brisbane, Australia, April 2013, please also see: http://grafia.cs.ucsb.edu/ontq and http://grafia.cs.ucsb.edu/ontq/docs/ontq-poster.pdf

2012-2013 Journal/Book Editors, Book Authors, and Senior Members/Chairs for Major International Conferences


2. Christos Faloutsos: "Mining Billion Node Graphs - Patterns and Algorithms", Cray Distinguished Speaker Series, Univ. of Minnesota, Oct. 1, 2012

3. Christos Faloutsos: "Large Graph Mining" Yahoo! Big Thinker speaker series (June 2013).

4. Heng Ji: Area Chair of Text Mining and Information Extraction, ACL2013 (The Association for Computational Linguistics annual meeting)


6. Heng Ji: Guest Editorial Board member, ACM Transactions on Information Systems special issue on "Time and Information Retrieval"

7. Heng Ji: Area Chair on Information Extraction, EMNLP2013

8. Heng Ji: Program Committee Vice Chair for the 2013 IEEE/WIC/ACM International Conference on Web Intelligence
9. Dan Roth: Associate Editor in Chief, Journal of Artificial Intelligence Research (JAIR). JAIR is one of the two top journals in AI (and considered by most the top one). This is a four year commitment: I will serve two years as Associate Editor-in-Chief of the Journal of and will serve as Editor-in-Chief for a two-year term beginning in 2015.
10. Dan Roth: AI Access, a not-for-profit book publisher for free access books: Advisory Board, 2013--2017
14. Dan Roth: Area Chair of Machine Learning, ACL'13 (The Association for Computational Linguistics annual meeting)
15. Dan Roth: Senior Program Committee Member, AAAI'13 (Association for the Advancement of AI)
16. Dan Roth: Senior Program Committee Member, ICML'13 (International Conference on Machine Learning)
17. Dan Roth: Senior Program Committee Member, UCAI'13 (International Joint Conference on Artificial Intelligence)
18. Xifeng Yan: Area Chair: "Social Networks, Web, and Personal Information Management," IEEE 2013 Int. Conf. Data Engineering (ICDE'13)
19. Xifeng Yan: Senior Program Committee Member: ACM 2012 Int. Conf. on Knowledge Discovery and Data Mining (KDD’12)
20. Ambuj Singh: editorial board, Journal of Coupled Systems and Multi-scale Dynamics
22. Jiawei Han: Conference best paper awards committee chairman, 2012 IEEE Int. Conf. on Data Mining (ICDM’12)
23. Jiawei Han: Conference Panel chair, 2013 ACM Int. Conf. on Information and Knowledge Management (CIKM’13)
24. Jiawei Han: Editor, Synthesis Lectures on Data Mining and Knowledge Discovery, Morgan Claypool (2012-2013)
25. Jiawei Han: Book on ‘information network mining’, with Yizhou Sun; Morgan Claypool: Yizhou Sun and Jiawei Han: Mining Heterogeneous Information Networks: Principles and Methodologies, Synthesis Lectures on Data Mining and Knowledge Discovery, Morgan Claypool, August 2012.

2013 Tutorials, Conference Keynote Speeches, Invited Seminars, and Short Courses

1. Dan Roth: NIPS 2013 Workshop on Output Representation Learning, December 2013. A keynote speech on Amortized Integer Linear Programming Inference
2. Dan Roth: Fondazione Bruno Kessler, The Center for Information and Communication Technology, Trento, Italy, November 2013. Distinguished Lecture Colloquium on Amortized Integer Linear Programming Inference
8. Dan Roth: The Second AAAI workshop on Combining Constraint Solving with Mining and Learning, July 2013. A keynote speech on Amortized Integer Linear Programming Inference
14. Charu Aggarwal and Jiawei Han: Manish Gupta, Jing Gao, Charu Aggarwal, Jiawei Han, Tutorial: Outlier Detection for Temporal Data. The ACM International Conference on Information and Knowledge Management (CIKM’2013), San Francisco, CA, Oct. 2013.
15. Charu Aggarwal and Jiawei Han: Manish Gupta, Jing Gao, Charu Aggarwal and Jiawei Han, "Outlier Detection for Graph Data", Tutorial at 2013 IEEE/ACM Int. Conf. on Social Networks Analysis and Mining (ASONAM’13), Niagara Falls, Canada, Aug. 2013.
16. Jiawei Han: Conference tutorial: Tim Weninger and Jiawei Han, “Information Network Analysis and Extraction on the World Wide Web”, 2013 Intl. Conf. on World Wide Web (WWW’13), Rio de Janeiro, Brazil, May 2013.
17. Charu Aggarwal and Jiawei Han: Conference tutorial: Manish Gupta, Jing Gao, Charu Aggarwal, and Jiawei Han, "Outlier Detection for Temporal Data", 2013 SIAM Data Mining Conf. (SDM’13), Austin, TX, May 2013.
18. Jiawei Han: Conference tutorial: Tim Weninger and Jiawei Han, “Exploring Structure and Content on the Web: Extraction and Integration of the Semi-Structured Web”, 2013 Intl. Conf. on Web Search and Data Mining (WSDM'13), Rome, Italy, Feb. 2013.

2012 Tutorials, Conference Keynote Speeches, Invited Seminars, and Short Courses

1. Dan Roth: Keynote speeches: A COLING Workshop on Information Extraction & Entity Analytics on Social Media Data, December 2012.
5. Ambuj Singh: keynote lecture, ICDM workshop on Biological Data Mining
6. Ambuj Singh: keynote lecture, International Symposium on Bioinformatics Research and Applications
9. Jiawei Han and Xifeng Yan: Conference tutorial: Yizhou Sun, Jiawei Han, Xifeng Yan, and Philip S. Yu, "Mining Knowledge from Interconnected Data: A Heterogeneous Information Network Analysis Approach", 2012 Int. Conf. on Very Large Data Bases (VLDB’12/PVLDB), Istanbul, Turkey, Aug. 2012.
10. Jiawei Han and Xifeng Yan: conference tutorial: Yizhou Sun, Jiawei Han, Xifeng Yan, and Philip S. Yu, “On the Power of Heterogeneous Information Networks”, Proc. of 2012 Int. Conf. on Advances in Social Network Analysis and Mining (ASONAM’12), Istanbul, Turkey, Aug. 2012.
11. Christos Faloutsos: tutorial, "Large Graph Mining - Patterns, Tools and Cascade Analysis]", KDD Summer School, Beijing, China, Aug. 2012.
12. Jiawei Han, tutorial, "Mining Heterogeneous Information Networks"", KDD Summer School, Beijing, China, Aug. 2012.
13. Jiawei Han, CCF Advanced Disciplines Lecture: "Data Mining with Social and Trajectory Data: Urban Computing in the Big Data Age[", Beijing, China, Aug. 2012.
14. Jiawei Han, tutorial: "A Meta Path-Based Approach for Similarity Search and Mining of Heterogeneous Information Networks", (workshop tutorial), Workshop on Algorithms for Modern Massive Data Sets (MMDS), Stanford Univ., CA, July 2012.
15. Jiawei Han, keynote speech, "Mining Heterogeneous Information Networks: The Next Frontier", at the 2012 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD’12), Beijing, China, Aug. 2012.
16. Jiawei Han, keynote speech, "Construction of Web-Based, Service-Oriented Information Networks: A Data Mining Perspective", at the 2012 Int. Conf. on Web-Age Information Networks (WAIN’12), Harbin, China, Aug. 2012.
17. Jiawei Han, and Xifeng Yan: Conference Tutorial: Jiawei Han, Yizhou Sun, Xifeng Yan, and Philip S. Yu, "Mining Knowledge from Data: An Information Network Analysis Approach", IEEE Int. Conf. on Data Engineering (ICDE’12), Arlington, VA, Apr. 2012.

2011 Major Awards

1. ACM Fellow: Professor Dan Roth at CS, UIUC (INARC) was elevated to 2011 ACM Fellow for his research contributions in Machine Learning and Natural Language Understanding.
2. The influential paper of the decade: Lada Adamic has won the most influential WI-IAT paper of the decade award for her paper with Eytan Adar "Tracking Information Epidemics in Blogspace" which appeared in Web Intelligence 2005. http://doi.ieeecomputersociety.org/10.1109/WI.2005.151
3. Prof. Xifeng Yan (UCSB/INARC) and Prof. Jiawei Han (UIUC/INARC) received the IEEE ICDM 10-year Highest Impact Paper Award from the IEEE data mining society. This award is established for the author(s), whose paper appeared in the IEEE International Conference on Data Mining (ICDM) 10 years ago, that has the most impact on data mining research since then. The paper title is “gSpan: Graph-Based Substructure Pattern Mining.” gSpan is an algorithm of mining graph patterns in large-scale graphs and networks. Since its publication, it has been cited 945 times according to Google Scholar. An award ceremony was held in Vancouver during the ICDM conference on Dec 13, 2011 in Canada.
4. ACM SIGKDD Ph.D. Dissertation Award Runner-Up: Dr. Tianyi Wu, Ph.D., May 2010 (defended his thesis successfully April 5, 2010, now working at Microsoft Bing Lab), with the thesis title: "A Framework for Promotion Analysis in Multi-Dimensional Space", has received 2011 ACM SIGKDD Ph.D. Dissertation Award Runner-Up, and his thesis award talk will be delivered on Aug. 21 2011 at the 2011 ACM SIGKDD Conference. Tianyi Wu was supervised by Jiawei Han at INARC.
5. Best Paper Award: Manish Gupta, Charu Aggarwal, Jiawei Han and Yizhou Sun, "Evolutionary Clustering and Analysis of Bibliographic Networks", received the BEST PAPER AWARD at the 2011 Int. Conf. on Advances in Social Network Analysis and Mining (ASONAM’11), Kaohsiung, Taiwan, July 2011.
6. IEEE Fellow: Dr. Arun lyengar from IBM Research was elected 2011 Fellow of the IEEE with the citation for contributions to computational infrastructure of Web applications.
7. Microsoft Ph.D. Fellowship: INARC Ph.D. student, Mr. Chi Wang at CS, UIUC, has received 2011 Microsoft Research Ph.D. Fellowship (A highly competitive award since there are only in total 12 Ph.D. Fellowship Awardees across all the research fields in the U.S. in 2011). Chi Wang is supervised by Jiawei Han at INARC.
8. IBM Ph.D. Fellowship: INARC Ph.D. student, Mr. GuoJun Qi at CS, UIUC, has received IBM Ph.D. Fellowship for 2011-2012 (A highly competitive award among all the university Ph.D. students). GuoJun Qi is supervised by Thomas Huang, an INARC PI.
9. IBM Ph.D. Fellowship: Ms. Jing Gao, who was partially supported by the INARC program, has received IBM Ph.D. Fellowship for 2011-2012. She first received IBM Ph.D. Fellowship for the academic year of 2010-2011. This is her second-year award. Jing Gao is supervised by Jiawei Han at INARC.
10. IBM Ph.D. Fellowship: Ms. Gengxin Miao, who was supported by the INARC program, has received IBM Ph.D. Fellowship for 2011-2012. Gengxin Miao is supervised by Xifeng Yan at INARC.
11. NSF Graduate Fellowship: Ms. Marina Danilevsky, who was partially supported by the INARC program, has received NSF Graduate Fellowship for 2011-2012. Marina is supervised by Jiawei Han as Master Student and will start her Ph.D. study in Aug. 2011 at CS, UIUC.
12. Xerox Faculty Award: Tarek Abdelzaher has received Xerox Faculty Award at UIUC in May 2011
13. Daniel C. Drucker Eminent Faculty Award: Jiawei Han has received Daniel C. Drucker Eminent Faculty Award at UIUC in May 2011
14. Chancellor’s “Salute to Scholar” Award: Heng Ji has received CUNY Chancellor’s “Salute to Scholar” Award in 2011.
15. Endowed Chair Professorship: Jiawei Han has been endowed as Abel Bliss Professor in Engineering at UIUC in May 2011
16. Best Paper Award: Jeff Pasternack and Dan Roth’s research paper: “Comprehensive Trust Metrics for Information Networks” won the Best Paper Award at the 27th Army Science Conference, Dec. 2010

2011 Books Published
2011 Tutorials, Conference Keynote Speeches, Invited Seminars, and Short Courses

1. Jiapei Han: "Data Mining on Heterogeneous Information Networks", (keynote speech) at the 2011 Int. Conf. on Machine Learning Applications (ICMLA’11), Honolulu, Hawaii, Dec. 2011.
2. Peter Pirolli: "Information Foraging in the Social Web", invited address on Aug 4, 2011 as part of becoming an elected Fellow of the American Psychological Association at the annual APA convention in Washington DC.
3. Christos Faloutsos: "Mining Billion Node Graphs", Keynote-speeches at WSDM 2011 (Hong Kong, China, Feb. 2011)
6. Christos Faloutsos: 'Graph Mining' Short course at KAIST (S. Korea), July 2011 http://www.cs.cmu.edu/~christos/TALKS/11-KAIST/
8. Jiapei Han: "Towards Integrated Mining of Multiple Social and Information Networks" (keynote speech) The 2011 Int. Conf. on Advances in Social Network Analysis and Mining (ASONAM’11), Kaohsiung, Taiwan, July 2011
9. Jiapei Han: "Construction and Analysis of Web-Based Computer Science Information Networks" (keynote speech) The 2011 Int. Conf. on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC’11), Moscow, Russia, June 2011
10. Jiapei Han: "Mining Heterogeneous Information Networks", Short course, Machine Learning Summer School@Purdue, Purdue Univ., June 2011.
12. Latifur Khan, Wei Fan, Jiapei Han, Jing Gao, Mohammad Meheyd Masud: "Data Stream Mining: Challenges and Techniques", (tutorial), The 15th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2011), Shenzhen, China, May 2011
13. Jiapei Han: "Exploring the Power of Heterogeneous Information Networks in Data Mining" (keynote speech) The 2011 Int. SIAM Data Mining Conf. (SDM’11), Phoenix, AZ, April 2011.

2010 News and Major Awards

2010 News

1. Building the Future Internet: Tarek Abdelzaher and his research team received a grant on developing the "Internet of the Future" (as part of a bigger $7.9M project led by UCLA under the NSF's Future Internet Architecture initiative). The project aims to create a new internet architecture called Named Data Networking (NDN), focused on content, versus the current focus on machines. Abdelzaher's team, in collaboration with UCLA and other institutions, will be working on developing applications for the internet of the future. They aim to prove how NDN can simplify development of these applications as well as make them more efficient and reliable. The team believes that NDN has the potential to significantly improve internet performance and greatly simplify the development and distribution of applications provided by cloud computing.
2. CTA members Win the Test of Time Award: Profs. Michalis Faloutsos (IRC), Christos Faloutsos (INARC), and Petros Faloutsos (UCLA) were honored with the Test of Time Award for their 1999 paper, "On the Power Law Relationships of the Internet Topology" by SIGCOMM, the premier computer communications conference. Prior to the paper's publication in Computer Communication Review, the popular assumption was that most computers in a network had roughly the same number of connections. But the Faloutsos brothers showed that the distribution actually is very skewed, with a few nodes having many, many connections, and the vast majority of computers having just one or two. It's a pattern that has since been shown to be true for the distribution of Internet links, social-network friends and blog readership. This knowledge of the topology of the Internet has proven useful for, among other things, designing systems and developing cybersecurity strategies. Citeseer reports the paper as the 4th most sited of all papers published in 1999.

2010 Major Awards

1. Tarek Abdelzaher, UIUC Willet Faculty Scholar Award
3. Christos Faloutsos, ACM SIGKDD Innovations Award (2010). Note: The Highest Technical Achievement Award in the field of Knowledge Discovery and Data Mining
5. Christos Faloutsos, ACM Fellow (2011)
6. Jiawei Han, IEEE Computer Society, W. Wallace McDowell Award (2009); Awarded in 2010.
7. Jiawei Han: ICDE 2010: Outstanding Reviewer Award, 2010 IEEE Int. Conf. on Data Engineering, March 2010.
9. Heng Ji: CUNY Faculty Publication Fellowship, 2009-2010
10. Heng Ji: CUNY Research Enhancement Award, 2010-2011
12. Xifeng Yan: U.S. National Science Foundation Faculty Early Career Development (CAREER) Award, for the project: “CAREER: Graph Information System: Deciphering Complex Networks,” (2010)
14. Thomas Huang: Received an HP Labs Research Innovation Award, August 2010, for “Mining Image Knowledge using Ontology”.
15. Dan Roth: Elected as a Fellow of the Association for the Advancement of Artificial Intelligence (AAAI), for his contributions to the foundations of machine learning and inference and for developing learning centered solutions for natural language processing problems. (2009)
16. Dan Roth: University Scholar, the University of Illinois, 2010. Note: This is the top academic award given by the University of Illinois. (2010)

2010 Keynote/Invited Speeches at Conferences, Workshops, or Other Major Events

1. Christos Faloutsos, Keynote speech: “Mining Billion-node Graph: Patterns, Generators and Tools”, The 2010 European Conf. on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD’10), Barcelona, Spain, Sept. 2010.
2. Christos Faloutsos, Conference keynote speech: ICDM 2010 (Sydney, Australia)
4. Jiawei Han, Keynote speech: “Structure is Informative: On Mining Structured Information Networks”, The 2010 European Conf. on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD’10), Barcelona, Spain, Sept. 2010.
5. Jiawei Han, Keynote speech: “Mining Heterogeneous Information Networks By Exploring the Power of Links”, 12th Int. Conf. on Discovery Science (DS’09), Porto, Portugal, Oct. 2009.

2010 Tutorials at International Conferences or Workshops

2. Jing Gao, Wei Fan, and Jiawei Han, “On the Power of Ensemble: Supervised and Unsupervised Methods Reconciled”, Conference Tutorial of 2010 SIAM Int. Conf. on Data Mining (SDM’10), Columbus, OH, April 2010.
3. Jiawei Han, Zhenhui Li, and Lu An Tang, “Mining Moving Object, Trajectory and Traffic Data”, Conference Tutorial of 2010 Int. Conf. on Database Systems for Advanced Applications (DASFAA’10), Japan, April 2010.
4. Jiawei Han, Yizhou Sun, Xifeng Yan, and Philip S. Yu, “Mining Knowledge from Databases: An Information Network Analysis Approach” Proc. 2010 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD’10), Indianapolis, Indiana, June 2010. (Conference Tutorial)
5. Jiawei Han, Yizhou Sun, Xifeng Yan, and Philip S. Yu, “Mining Heterogeneous Information Networks”, KDD’10 Conference Tutorial, Washington, D.C., July 2010.

2010 Invited/Distinguished Seminars in Universities or Industry /Government Research Centers
1. Tevfik Bultan, Xifeng Yan, Seminar: "Computer Science Research at UCSB," Department of Computer Science, Department of Mathematics, California State University at Channel Islands, Feb. 2010.
2. Jiawei Han, Invited talk: "Mining Information Networks by Exploring the Power of Links", Department of Computer Science, Singapore Management Univ., Singapore, Jan. 2010.
3. Jiawei Han, Invited talk: "Mining Information Networks by Exploring the Power of Links", Department of Computer Science, Nanyang Technological Univ., Singapore, Jan. 2010.
4. Jiawei Han, Invited talk: "Integrated Clustering and Ranking at Mining Heterogeneous Information Networks", Department of Computer Science, National Univ. of Singapore, Singapore, Jan. 2010.
5. Jiawei Han, Distinguished seminar: "Mining Heterogeneous Information Networks by Exploring the Power of Links", Department of Computer Science, Univ. of California at San Diego, Feb. 2010.
6. Jiawei Han, Distinguished seminar: "RankClus: Integrated Clustering and Ranking at Mining Heterogeneous Information Networks", Department of Computer Science, Univ. of North Carolina at Charlotte, Feb. 2010.
7. Jiawei Han, NSF IGERT invited talk: "Mining Moving Object and Traffic Data", Department of Computer Science, Univ. of Illinois at Chicago, March 2010.
8. Jiawei Han, Distinguished seminar: "Mining Heterogeneous Information Networks by Exploring the Power of Links", Department of Computer Science, Univ. of Kansas, March 2010.
9. Jiawei Han, Invited talk: "From Mining Moving Object Data to Mining Cyber-Physical Networks", Boeing, Bellevue, May 2010.
10. Jiawei Han, Invited talk: "Mining Heterogeneous Information Networks By Exploring the Power of Links", Microsoft Bing, Bellevue, May 2010.
11. Jiawei Han, Invited talk: "Mining Knowledge from Databases: An Information Network Analysis Approach", Microsoft Research, Redmond, May 2010.

2010 Special Courses

1. Jiawei Han, Short course: "DATA MINING: New Research Developments and Advanced Applications" (one-week short course on Information Mining), A*Star, Singapore, Jan. 2010.
2. Jiawei Han, DHS Summer Institute Short course: "Mining Information Networks" (one-week short course for DSSI Nation-Wide Selected Students, Data Science Summer Institute), UIUC, June 2010.
3. Thomas Huang, Annual Lecture of the Center for Advance Study, University of Illinois at Urbana-Champaign, October 20, 2010, on "Human Computer Intelligent Interaction".
4. Dan Roth, Reconnect 2010, DHS funded course on Information Extraction, University of Southern California, June 2010.

2010 Books Published

1. Philip S. Yu, Jiawei Han, and Christos Faloutsos (Editors), LINK MINING: MODELS, ALGORITHMS AND APPLICATIONS, Springer, 2010.