

Candidate for Chair

Usama M. Fayyad
Open Insights, LLC, Bellevue, WA, USA

BIOGRAPHY

Academic Background:

Ph.D., University of Michigan, 1991, Computer Science & Engineering.

Professional Experience:

Chief Executive Officer, Open Insights, LLC, Bellevue, WA, USA, 2008 – Present;
Chief Data Officer and Executive VP, Yahoo! Inc., Sunnyvale, CA, USA, 2004 – 2008;
President & CEO, DMX Group, LLC and Revenue Science Inc., Bellevue, WA, USA,
2000 – 2004.

Professional Interest:

Data Mining, Data Strategy and Data Management; Internet Search Technology and On-line Marketing; Data Warehousing, Database Systems, and Business Intelligence; Machine Learning, Data Mining; Statistical Pattern Recognition, Artificial Intelligence.

ACM Activities:

Director and Treasurer (since 2006), SIGKDD, 2000 – 2009;
Program Committee Co-Chair, SIGKDD 2006 Industrial Track, SIGKDD, 2006;
Founding Editor-in-Chief, SIGKDD Explorations Newsletter, SIGKDD, 1998 – 2003;
Member of Editorial Board of CACM, CACM, 1999 – 2006.

Membership and Offices in Related Organizations:

Program Committee Co-Chair, KDD-1995 Conference, AAI, 1994 – 1996;
General Chair, KDD-1996 Conference, AAI, 1995 – 1996;
Founding Editor-in-Chief, Data Mining and Knowledge Discovery Jo, Kluwer Academic/Elsevier, 1996 – 2004.

Awards Received:

ACM: ACM Fellow, 2007; Innovation Award, SIGKDD, 2007; Service Award, SIGKDD, 2003.
Other: Fellow of the AAI, 2006; U.S. Government Medal by NASA for Scientific Achievement, 1994; Lew Allen Award for Excellence in Research - By JPL/Caltech, 1993; TR-10 by MIT TEchnology Review (top 10 technologists), 2000.

STATEMENT

KDD/Data Mining has grown into an important vibrant field of scientific research and the importance of our field is growing by the day in very demonstrable ways --not just in theory but real applications touching all our lives: search engines, marketing/predictive applications, fundamental contributions in science data analysis and database technology... SIGKDD must evolve to the next level to match this maturation. I would utilize SIGKDD resources to lead the development of the following areas aggressively:

- 1) A formal public outreach and awareness program to improve the image of data mining in the eyes of the public and government -- we are not well represented and the field has suffered unnecessarily
- 2) A serious effort to build an infra-structure and data sets for benchmark tests (as in SIGIR TREC and other fields) to allow researchers and companies to compare performance
- 3) A publishing platform to represent the field including a magazine and powerful on-line presence
- 4) A more aggressive program for collaborating with academic institutions on academic curricula, courses, and professional certifications The future is bright and opportunities will only grow, but we need to play an active role in transitioning to our next phase of growth.

Candidate for Chair

Bing Liu
University of Illinois at Chicago, Chicago, IL USA

BIOGRAPHY

Academic Background:

Ph.D., University of Edinburgh, 1989, Artificial Intelligence.

Professional Experience:

Professor, University of Illinois at Chicago, IL, USA, 2007 – 2009;
Associate Professor, University of Illinois at Chicago, IL, USA, 2002 – 2007;
Associate Professor, National University of Singapore, Singapore, 1999 – 2002.

Professional Interest:

Data Mining; Text Mining; Web Mining; Natural Language Processing; Machine Learning.

ACM Activities:

Program Co-Chair, KDD Conference, 2008, ACM SIGKDD;
Program Chair, KDD Cup and Workshop, 2007, ACM SIGKDD;
Program Co-Chair, CIKM Conference, 2006, ACM;
Associate Editor, SIGKDD Explorations, ACM SIGKDD, 2004 – 2008.

Membership and Offices in Related Organizations:

Program Co-Chair, SIAM Data Mining Conference, 2007, SIAM;
Deputy Vice Chair, WWW Conference, 2005, World Wide Web Conference;
Associate Editor, IEEE Transactions on Knowledge and Data Eng., IEEE, 2001 – 2005.

Awards Received:

ACM: Recognition of Service Award. Program Co-Chair, KDD, 2008; Recognition of Service Award. Program Co-Chair, CIKM, 2006; Recognition of Service Award. General Chair, DMKD, 2006, 2004.
Other: University Scholar, 2008; IBM Faculty Award, 2006; Best Paper Award, Int. Conf. on Web Information System Eng., 2005; IBM Faculty Award, 2005.

STATEMENT

Data mining is a core research field of the information age. Its techniques are widely used in science and industry. It is important for us to maintain this healthy state, to facilitate its growth, and to encourage people from other fields to look to us for new data mining ideas and techniques. Thus, I believe that SIGKDD should serve not only our own community, but also our sister communities that use data mining tools. I plan to gather ideas from

inside and outside our community to improve SIGKDD services, KDD conferences, and the SIGKDD website. For example, we can track and organize research papers on the same topic or the same problem related to KDD from different communities to help us and other researchers. To implement these ideas, I propose to use student volunteers, who have been very helpful during the KDD conferences. We can seek their help all year round by setting up a student body under SIGKDD. Their tasks will be made in such a way that, while doing research, they can also contribute to the service of the community. As chair, I will work diligently on this and other useful activities to serve and promote our community.

Candidate for Secretary/Treasurer

Ismail Parsa
Microsoft, Bellevue, WA USA

BIOGRAPHY

Academic Background:

Ph.D. candidate, George Mason University, 1991, Economics.

Professional Experience:

Applied Principal Researcher, Microsoft, Bellevue, WA, 2007 – 2009;
VP, Analytics, Citigroup, New York, NY, 2002 – 2007;
Sr. Director, Analytics, Epsilon, Boston, MA, 1994 – 2002.

Professional Interest:

Audience intelligence; Behavioral targeting and segmentation; Text categorization and behavioral taxonomies; Predictive modeling; Database marketing and related analytical systems design.

ACM Activities:

Treasurer, SIGKDD, 2008 – 2009;
General Chair, SIGKDD, 1999 – 2000;
Exhibits Chair, SIGKDD, 1998 – 1999;
KDD-Cup Chair, SIGKDD, 1997 – 1999.

Membership and Offices in Related Organizations:

Advisory Board Membership, Compression Sciences, 1999 – 2000;
Advisory Board Membership, ISL/Clementine, 1996 – 1998.

STATEMENT

I, hereby, apply for the position of SIGKDD Secretary/ Treasurer.

Over the years, I served the KDD community in various roles as:

- 1) Treasurer, KDD-2009;
- 2) General Chair, KDD-2000 held in Boston, where an all-time attendance record was set;
- 3) Exhibits Chair, two consecutive years;
- 4) Launched and chaired KDD-Cup in 1997 for two consecutive years.
- 5) Held various advisory positions in SIG-KDD.

With more than 15 years of analytic research and consulting experience, applying quantitative methods to business problems in industry setting, I believe I have the management experience and business acumen to manage the finances of SIGKDD. Successfully running the finances of KDD-2009, attempting to balance the budget in this economic climate when KDD will be held abroad for the first time in its history is proof-positive that I am up for this job.

I will do my best to make sure that your vote counts.

Thank You!

Candidate for Secretary/Treasurer

Osmar R. Zaiane
University of Alberta, Edmonton, Canada

BIOGRAPHY

Academic Background:

Ph.D., Simon Fraser University, Canada, 1999, Data Mining.

Professional Experience:

Associate Professor, University of Alberta, Edmonton, Canada, 2005 – Present;
Scientific Director, Alberta Ingenuity Centre for Machine Learning, Edmonton, Canada, 2009 – Present;
Assistant Professor, University of Alberta, Edmonton, Canada, 1999 – 2005.

Professional Interest:

Knowledge Discovery and Data Mining; Machine Learning; Application of Data Mining in Health Informatics; Application of Data Mining in e-Learning; Web Mining and Multimedia Mining.

ACM Activities:

Editor-in-Chief SIGKDD Explorations, SIGKDD, 2008 – Present;
Associate Editor SIGKDD Explorations, SIGKDD, 2004 – 2007;
Proceedings Chair KDD '02, SIGKDD, 2002;
Publicity Chair and Webmaster KDD '02 – KDD '03, SIGKDD, 2002 – 2003.

Membership and Offices in Related Organizations:

Member, ACM SIGMOD, ACMSIGIR, 1998 – Present;
Member, IEEE Computer Society, 1986 – Present;
Program Co-Chair, IEEE ICDM, 2007.

Awards Received:

McCalla Professorship, 2008; Canadian Advanced Technology Alliance Award, 1999.

STATEMENT

A member of SIGKDD since its inception, I have participated at KDD since the first 1995 conference and served at many levels of the organization in our annual conference. I also co-founded MDM/KDD and helped co-organize WebKDD workshops for many years. I am a firm believer in this community and the potential for the society at large. Data mining, at the confluence of many fields, is maturing as a discipline, and has and will continue to have a tremendous impact on our society. Now is the time to emphasize the value of community

and highlight the importance of integrating our technologies in compelling data management systems and convenient applications. I would like to work with SIGKDD to strengthen our community for better communication and collaboration by means of social networking or other processes. SIGKDD has a positive impact on many data miner careers, young and experienced, and we want to sustain and improve this influence in an ever-growing community. My goal is to work with SIGKDD and the community at large in supporting more collaboration and promoting the significance and beneficial values of knowledge discovery and data mining in our society through convincing and practical applications.

Candidate for Board of Directors

Johannes Gehrke
Cornell University, Department of Computer Science, Ithaca, NY USA

BIOGRAPHY

Academic Background:

Ph.D., University of Wisconsin-Madison, 1999, Computer Sciences.

Professional Experience:

Associate Professor, Cornell University, Ithaca, NY, 2004 – 2009;
Chief Scientist, Fast Search and Transfer, Oslo, Norway, 2007 – 2008;
Assistant Professor, Cornell University, Ithaca, NY, 1999 – 2004.

Professional Interest:

Data mining; Data privacy; Database systems; Computer games.

ACM Activities:

Program Co-Chair, KDD, 2004;
KDD Cup Chair, KDD, 2003;
Associate Editor, ACM TKDD, 2007 – 2009;
Member of the ACM SIGKDD Curriculum Committee, SIGKDD, 2005 – 2009.

Awards Received:

NSF Career Award, 2009; Sloan Foundation Fellowship, 2009.

STATEMENT

SIGKDD has been one of the most successful ACM SIGs due to the close connection between data mining research and industry and the impact of our community on the real world. I am honored to have this opportunity to run for the position of SIGKDD Director, and if elected, I will in particular try to address two issues:

Data mining is a quickly changing field, and due to our high rate of innovation new methods emerge constantly. If elected, I will work on creating a “commons” for educational material such as tutorial videos, slides, and survey papers that our community can build upon to teach the next generation of students in data mining.

Good research in data mining depends on the availability of good data. Most of the interesting data today is hidden inside large Internet companies and not accessible to most researchers. I will work on establishing large publicly available datasets for the community that will allow everybody to work on relevant and high-impact problems.

Candidate for Board of Directors

Robert Grossman
University of Illinois at Chicago, Chicago, IL USA

BIOGRAPHY

Academic Background:

Ph.D., Princeton University, 1985, Applied Mathematics.

Professional Experience:

Professor, Dept. of Mathematics, Statistics & Computer Science, University of Illinois at Chicago, Chicago, IL, 1988 – Present;
Managing Partner, Open Data Group, River Forest, IL, 2002 – Present;
Founder & CEO, Magnify, Inc., Chicago, IL, 1996 – 2001.

Professional Interest:

Data mining systems; High performance and distributed data mining; Applications of data mining to financial services; Applications of data mining to genomics & systems biology; Data mining standards.

ACM Activities:

Member, Board of Directors, SIGKDD, 2005 – 2009;
General Chair, KDD Conference, SIGKDD, 2005;
Sponsorship Chair, KDD Conference, SIGKDD, 2000 – 2001.

Membership and Offices in Related Organizations:

Chair, Data Mining Group, 1998 – Present;
Chair, Open Cloud Consortium, 2008 – Present;
Co-Chair, SIAM International Conference on Data Mining (SDM), 2001 – 2002.

Awards Received:

ACM: ACM SIGKDD Service Award, 2007.
Other: First Place, SC '07 Analytics Challenge, 2007; First Place, 2007 Data Mining Practice Prize, 2007; First Place, SC '05 Analytics Challenge, 2005.

STATEMENT

I am honored to be able to stand again as a candidate for Director.

1. Each year since 1996, I have divided my time between university research and working at companies that provide commercial data mining products and services. For this reason,

I believe that I can represent fairly the needs and interests of the entire range of the SIG KDD membership.

2. One of our challenges of our community is to establish appropriate standards, architectures, and services so that data mining can be more widely deployed. I have been involved with standards for data mining, predictive modeling and related areas for over 10 years, including working on the Predictive Model Markup Language (PMML) since its inception in 1998. One of the goals of PMML is to simplify the deployment of data mining into operational systems by establishing a standard for the importing and exporting of statistical and data mining models.

3. For many working in the KDD community, gaining access to large datasets can be difficult. For the past year, I have worked on the Large Data Archives Project, which provides large datasets to the KDD community.

Candidate for Board of Directors

David Jensen
University of Massachusetts, Amherst, MA USA

BIOGRAPHY

Academic Background:

D.Sc., Washington University in St. Louis, 1992, Engineering & Policy.

Professional Experience:

Associate Professor, University of Massachusetts, Amherst, MA, 2004 – 2009;
Research Assistant Professor / Research Scientist, University of Massachusetts, Amherst, MA, 1995 – 2004;
Analyst, Office of Technology Assessment, U.S. Congress, Washington, DC, 1991 – 1995.

Professional Interest:

Causal discovery; Relational knowledge discovery; Experimental evaluation; Statistical hypothesis testing; Privacy and computing policy.

ACM Activities:

Director, SIGKDD, 2005 – 2009;
Associate Editor, ACM Transactions on Knowledge Discovery in Data, 2007 – 2009;
Senior Program Committee, SIGKDD International Conference, 2006 – 2009;
Program Committee, SIGKDD International Conference, 2001 – 2005.

Membership and Offices in Related Organizations:

Member, DARPA Information Science and Technology Group, 2007 – 2009;
Editorial Board Member, Journal of Privacy Technology, 2004 – 2009;
Editorial Board Member, Machine Learning, 2008 – 2009.

Awards Received:

Winner, SIGKDD KDD Cup (Open Task), 2003.

STATEMENT

Knowledge discovery has grown from a niche research area to a broad and deep discipline that combines research, development, and applications in equal measure. This is one of our great strengths, and SIGKDD needs to work to maintain this diversity and enhance communication as stresses grow to specialize and narrow our focus. We need to enhance our efforts to create connections between research, development, and applications, and I will work actively to grow these connections. In addition, we need to address the growing public policy implications of our work. I have spoken regularly before government

audiences to explain the technologies of knowledge discovery and correct some of the many myths that have been spread about these technologies. I will continue and expand these efforts if elected to another term as Director.

Candidate for Board of Directors

Raghu Ramakrishnan
Yahoo!, Santa Clara, CA USA

BIOGRAPHY

Academic Background:

Ph.D., University of Texas-Austin, 1987, Computer Science.

Professional Experience:

Chief Scientist and Research Fellow, Yahoo!, Santa Clara, 2006 – 2009;
Professor, Univ. of Wisconsin, Madison, 1987 – 2006.

Professional Interest:

Data mining; Database systems.

ACM Activities:

Chair, SIGMOD, 2005 – 2009; Board member, SIGKDD, 2005 – 2009.

Membership and Offices in Related Organizations:

Board member, VLDB, 2004 – Present;

Awards Received:

ACM: ACM SIGKDD Innovation Award, 2008; ACM Fellow, 2001; ACM SIGMOD Contributions Award, 1999; ACM SIGMOD Test-of-Time Award, 2006.
Other: IEEE Fellow, 2007; Distinguished Alumnus, IIT Madras, 2007.

STATEMENT

SIGKDD has helped the KDD community to grow rapidly and establish its identity at the intersection of database systems, machine learning, numerical methods, and statistics. I will do my best to help us grasp the significant opportunities ahead of us. Clearly, the flood of data shows no signs of abating, and data mining is a critical component of any rational approach to making sense of this information. On the other hand, increasing use of this technology has, understandably, heightened awareness of potential privacy and security violations. SIGKDD has taken a leadership role in advocating the importance of data mining, and must continue to be actively engaged in framing public opinion and policy. We technology professionals have the responsibility to explain the value of the tools we develop, and equally, to ensure that they are not abused. To be effective, SIGKDD must engage with data mining professionals from academia and industry to better understand the issues involved, and to articulate these issues clearly and objectively to government organizations, media, and public interest groups. If elected, I will try to help with this

process, and also try to bridge the SIGMOD and SIGKDD communities, and foster closer interactions.

Candidate for Board of Directors

Sunita Sarawagi
I.I.T Bombay, Powai, Computer Science Dept., Mumbai, India

BIOGRAPHY

Academic Background:

Ph.D., University of California at Berkeley, 1996, Computer Science/Databases.

Professional Experience:

Associate/Assistant Professor, I.I.T Bombay, Mumbai, 1999 – 2009;
Visiting associate professor, CMU, Pittsburg, PA, 2004;
Research Staff Member, IBM Almaden, San Jose, CA 1996 – 1999.

Professional Interest:

Information Extraction and data integration; Structured learning and graphical models; Data mining and knowledge discovery; Machine learning; Databases.

ACM Activities:

Member, board of directors, SIGKDD, 2005 – 2009; Associate editor, TKDD, SIGKDD, 2005 – 2009;
Editor-in-chief and associate editor, SIGKDD Explorations, SIGKDD, 1999 – 2005;
Program co-chair, KDD conference, SIGKDD, 2008.

Membership and Offices in Related Organizations:

Member, VLDB Endowment, VLDB, 2008 – 2009;
Editors, Foundations and Trends[®] in Machine Learning, Machine learning, 2007 – 2009;
Associate Editor, ACM TODS, SIGMOD, 2003 – 2007.

STATEMENT

I plan to ensure that SIGKDD prospers as a viable technical community attracting serious researchers and practitioners in the area. Since my research straddles the three related fields of mining, machine learning, and databases, I am uniquely poised to enhance cross-fertilization across these communities. I have been associated with SIGKDD for over ten years now in various positions including SIGKDD editor, member of the board of directors, and co-chairing the SIGKDD conference. I hope to use this experience to contribute to the society for a second term and work towards upholding its technical excellence.

Candidate for Board of Directors

Ramakrishnan Srikant
Google, Mountain View, CA USA

BIOGRAPHY

Academic Background:

Ph.D., University of Wisconsin, Madison, 1996, Computer Science.

Professional Experience:

Senior Staff Research Scientist, Google, Mountain View, CA, 2005 – Present;
Research Staff Member, IBM Almaden Research Center, San Jose, CA, 1996 – 2005.

Professional Interest:

Data Mining; Internet Monetization; Web Search; Privacy.

ACM Activities:

Program Co-Chair, SIGKDD Conference, 2001 – Present;
Editor-in-Chief, SIGKDD Explorations, 2005 – 2006;
Associate Editor, ACM Transactions on Internet Technology, 2006 – 2009;
Member, SIGKDD Awards Committee, 2007 – 2008.

Membership and Offices in Related Organizations:

Vice Chair (Data Mining Track), WWW Conference, 2006 – Present;
Vice Chair, ICDM Conference, 2004 – Present.

Awards Received:

ACM: ACM SIGKDD Innovation Award, 2006; ACM Grace Murray Hopper Award, 2002.
Other: ICDE Influential Paper Award, 2008; VLDB 2004 Ten Year Best Paper Award, 2004.

STATEMENT

I have had the pleasure of being part of the KDD community since before the formation of SIGKDD. What makes KDD so much fun is that we get to work on problems that are both intellectually stimulating and have tremendous real world impact. In particular, I bring the perspective of someone who has not only come up with new research areas and algorithms, but also experienced the issues involved in deploying these algorithms in the real world. If elected, I will use my experiences and insights to help SIGKDD continue to thrive as a vibrant community of both academia and industry that together change the world.

Candidate for Board of Directors

Geoff Webb
Monash University, Australia

BIOGRAPHY

Academic Background:

PhD., LaTrobe University, 1988, Computer Science.

Professional Experience:

Professor, Monash University, Australia, 2002 – Present;
Director, GI Webb & Associates, Australia, 1998 – Present;
Professor, Deakin University, Australia, 1998 – 2002.

Professional Interest:

Machine Learning; Association Discovery.

Membership and Offices in Related Organizations:

Editor-in-chief, Data Mining and Knowledge Discovery journal, 2005 – 2008;
Member, Steering Committee, Pacific Rim International Conference on AI, 2002 – 2008;
Member, International Joint Conference on AI (IJCAI) Executive, 2005.

STATEMENT

I will work to retain the SIGKDD Conference's position as the premier conference in the field.

Data Mining is an exciting field in which to work because it is one where theoretical and experimental computer science have direct payoff in high-value applications. I bridge all of theory, experimental research and applications, and will ensure that SIGKDD maintains the vital nexus between all three.

As an Australian, I will bring an international perspective to the Executive's deliberations.