



SIGKDD Meeting

KDD-2000

**The Sixth International Conference on
Knowledge Discovery and Data
Mining**

August 20-23, 2000

Boston, MA, USA

Agenda



- KDD-2000 General Chair's Report (5 min.)
- KDD-2000 PC Chairs' Report (10 min)

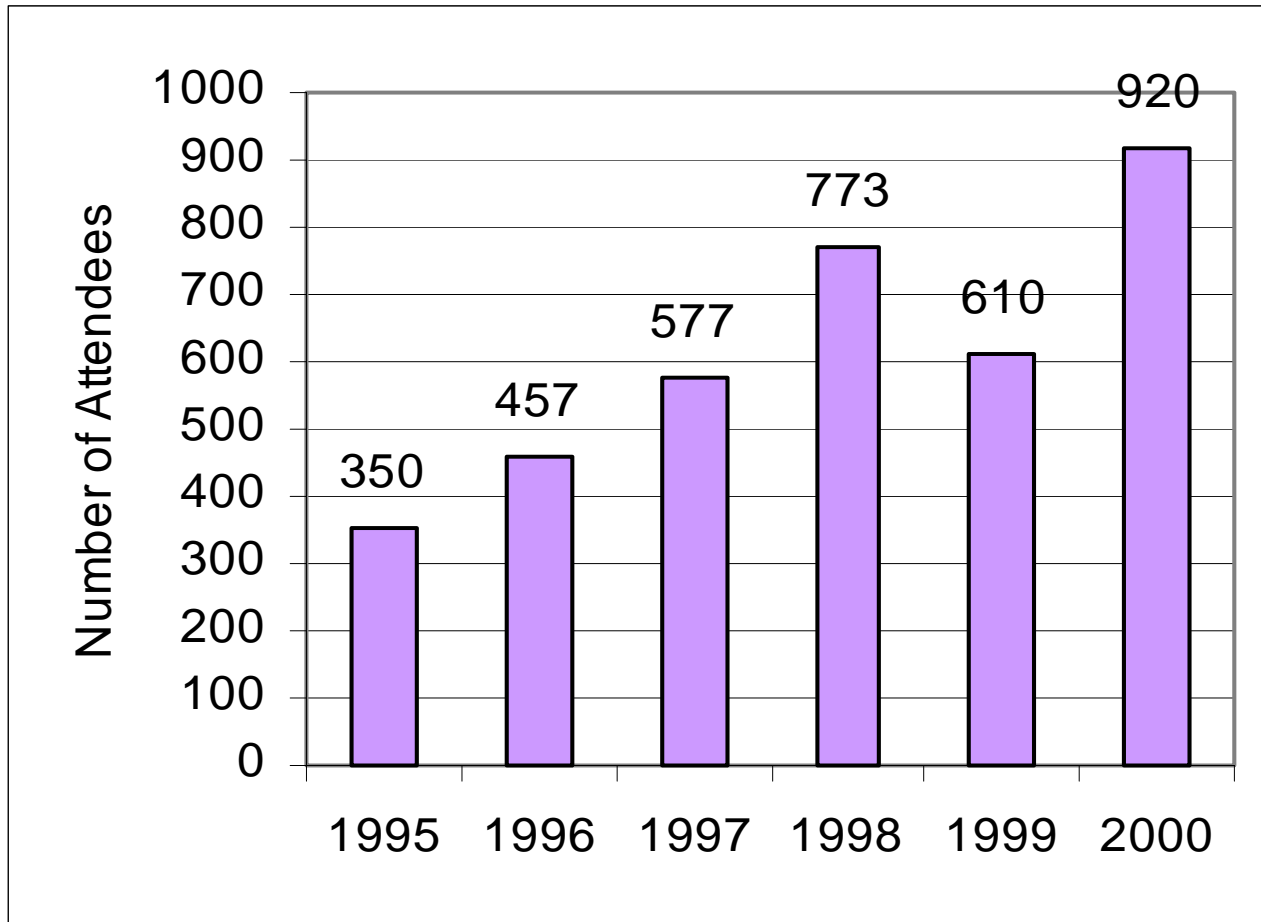
- SIGKDD Newsletter Editor's Report (5 min)
- SIGKDD Standards Initiative (5 min)
- SIGKDD Treasurer's Report (5 min)
- SIGKDD Chair's Report (15 min)



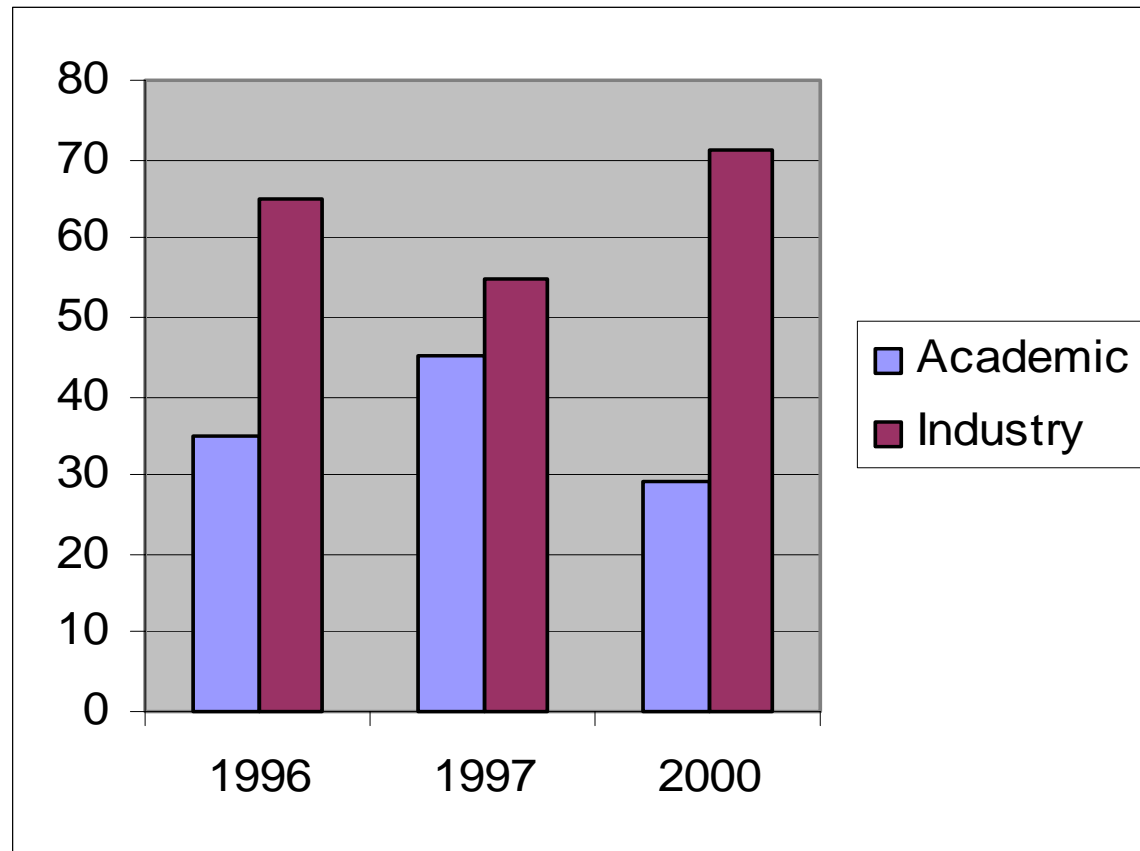
KDD-2000

General Chair's Report

KDD Attendance



Affiliations

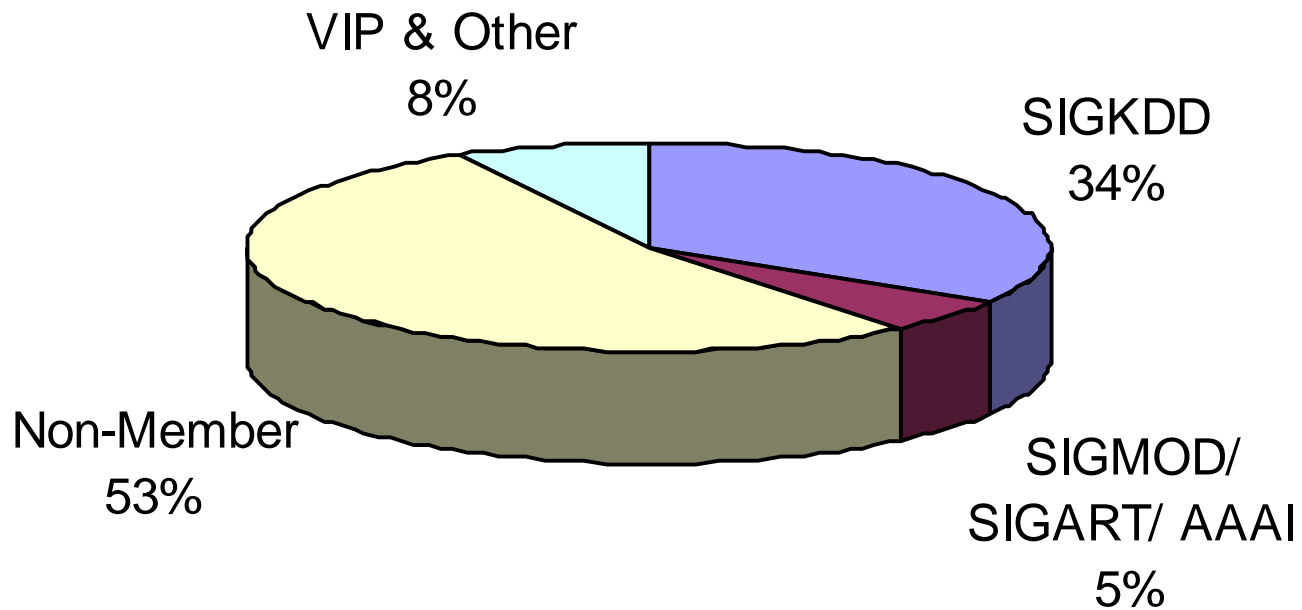


Country of Origin

USA	74.2%
Canada	3.5%
Germany	2.5%
South Korea	2.5%
Japan	2.4%
United kingdom	2.4%
Israel	1.7%
Switzerland	1.2%
Australia	1.0%
Netherlands	1.0%
Belgium	0.9%
Italy	0.7%
Singapore	0.7%
Sweden	0.7%
Ireland	0.6%
Other	4.3%



Registration Demographics



State of Origin



States	N	%	C %	States	N	%	C %
MA	125	19	19	CO	11	2	82
CA	105	16	36	AZ	10	2	84
NY	71	11	47	CT	10	2	85
NJ	43	7	53	MI	10	2	87
WA	35	5	59	OH	10	2	89
IL	31	5	63	FL	7	1	90
MD	22	3	67	WI	7	1	91
VA	21	3	70	DC	6	1	92
PA	19	3	73	GA	5	1	92
NC	17	3	76	IN	5	1	93
TX	17	3	78	OR	5	1	94
MN	16	2	81	TN	5	1	95

Industry Affiliations



IBM	22	Boeing	5	Credit Suisse	3
AT&T	15	Dialogos	5	E.piphany	3
SAS	15	Fidelity Investments	5	Elder Research	3
Oracle	11	Hewlett-Packard	5	Epsilon	3
Blue Martini	10	Siemens	5	First USA	3
Microsoft	10	Vignette	5	FleetBoston Financial	3
DoD	9	Chase Manhattan Bank	4	GTE Laboratories	3
SGI	9	Daimler Chrysler	4	KPMG	3
SPSS	9	deCODE Genetics	4	Lycos	3
Compaq	8	e-steam	4	MINEit	3
Magnify	8	Glaxo Wellcome	4	Motorola	3
Torrent Systems	8	Kana Communications	4	NCR	3
American Express	7	Lawrence Livermore Nat.	4	NEC	3
Financial Eng. Group	7	Lucent Technologies	4	POH International	3
MITRE	7	Pfizer	4	Sandia National Labs	3
Amazon.com	6	Predictive Networks	4	Texaco	3
Xchange	6	WorldCom	4	thinkAnalytics	3
Amdocs	5	Accrue	3	Veridiem	3
				Whizbang!	3

Academic Affiliations



EWHA Womans University	11	University of Pennsylvania	4
University of California	9	University of Wisconsin	4
University of Minnesota	9	Washington State University	4
New York University	6	Columbia University	3
Boston University	5	DePaul University	3
Carnegie Mellon University	5	George Mason University	3
Rensselaer Polytechnic Institute	5	Seoul National University	3
University of Texas	5	Tel-Aviv University	3
Harvard University	4	University of Illinois	3
MIT	4	University of Munich	3
National University of Singapore	4	University of Ottawa	3
Simon Fraser University	4	University of Washington	3
University of Massachusetts	4	Worcester Polytechnic Institute	3



Acknowledgements

KDD-2000 Sponsors



Principal Corporate Contributors - \$10,000



KDD-2000 Sponsors



Corporate Contributors - \$5,000



KDD-2000 Sponsors



Contributors - \$2,500

Microsoft®

Research

Sponsors - \$1,000

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Program Co-Chairs and Program Committees



- Program Committee Co-Chairs
 - Raghu Ramakrishnan, *U. of Wisconsin* and *QUIQ*
 - Sal Stolfo, *Columbia University*
 - 61 members of the Program Committee
 - Advising Chair, Daryl Pregibon, *AT&T*
- Industrial Track Co-Chairs
 - Kenneth Church, *AT&T Research*
 - Mario Schkolnick, *SGI*
 - 12 members of the Industrial Track Program Committee
- SIGKDD Chair, Won Kim, *Cyber Database Solutions*

Function Chairs



- **Exhibits**, Dorian Pyle, *Xchange*
- **Local Arrangements**, Eleanor Tipa, *Epsilon*
- **Proceedings**, Roberto Bayardo, *IBM*
- **Publicity**, Paul Bradley, *Microsoft*
- **Registration**, Amar Gupta, *MIT*
- **Sponsorship**, Robert Grossman, *Magnify*
- **Treasurer**, John Lin, *Epsilon*

Others



- **ACM SIGKDD** representatives, Alisa Rivkin, Donna Baglio and Lisette Burgos
- **Assistant Sponsorship Chair**, Jennifer Barba, U. of Illinois at Chicago
- **Registration Team**, Carole Mann and David Mann
- Our poster **artist** Jim Gary and Epsilon **creative team**



KDD-2000

PC Chairs' Report

KDD2000 Statistics

Papers



	Industry	Academia	Both	Total
Submitted	39	190	20	249
Accepted Reg.	8	14	4	26
Accepted Poster	6	16	2	24
Total	14	30	6	50

PC Members

Industry	Gov't	Academia	Total	Load
21	2	37	60	12 Papers

KDD2000 Statistics

Research Papers Submitted - by Subject



Submitted	Subject Area
3	Implementation and Applications - Data mining and privacy issues
5	Mining Enterprise Databases - Database architectures for KDD
8	Mining Enterprise Databases - Database primitives for KDD
10	Implementation and Applications - Vertical applications
12	Implementation and Applications - Data mining and e-commerce
12	Mining Enterprise Databases - Distributed architectures for KDD
13	Mining Enterprise Databases - Integration: mining/warehouse/OLAP
14	Implementation and Applications - Benchmarks
14	Mining Enterprise Databases - Unification of mining with querying
22	Mining Enterprise Databases - Data cleaning/noisy data
30	Human Interaction and the KDD Process - Visualization of large, high-dimensional data
31	Mining Enterprise Databases - Scalable algorithms
33	KDD Techniques---Incremental algorithms
35	Implementation and Applications - Case studies: success/failure
35	KDD Techniques---Mining the Web
37	KDD Techniques---Mining text/Multimedia data
39	Human Interaction and the KDD Process - Evaluating knowledge and potential discoveries
41	KDD Techniques---Background knowledge
43	Human Interaction and the KDD Process - Interactive exploration
49	KDD Techniques---Combining multiple models
51	Implementation and Applications - Implementation & use of KDD systems
61	KDD Techniques---High-dimensional data
173	KDD Techniques---New KDD algorithms

KDD2000 Statistics

Research Papers Accepted - by Subject



Accepted Subject Area

- 1 Implementation and Applications - Benchmarks
- 1 Implementation and Applications - Vertical applications
- 1 Mining Enterprise Databases - Integration: mining/warehouse/OLAP
- 1 Mining Enterprise Databases - Unification of mining with querying
- 2 Implementation and Applications - Case studies: success/failure
- 2 Mining Enterprise Databases - Scalable algorithms
- 3 Implementation and Applications - Implementation & use of KDD systems
- 3 KDD Techniques---Incremental algorithms
- 4 KDD Techniques---Combining multiple models
- 5 Human Interaction and the KDD Process -Visualization of large, high-dimensional data
- 5 Human Interaction and the KDD Process - Evaluating knowledge and potential discoveries
- 5 KDD Techniques---Background knowledge
- 5 KDD Techniques---Mining text/Multimedia data
- 5 KDD Techniques---Mining the Web
- 7 KDD Techniques---High-dimensional data
- 8 Human Interaction and the KDD Process - Interactive exploration
- 14 KDD Techniques---New KDD algorithms

KDD2000 Statistics

24 Companies Submitting Papers



- IBM
- ATT
- Microsoft
- NEC
- Bell Labs
- Lucent
- HP
- Nokia
- NASD
- GE
- Siemens
- Instinct Software
- Boeing
- PriceWaterhouse
Coopers
- Lycos
- Vignette
- Fleet Bank
- digiMine
- Federal Data Corp.
- GTE
- DaimlerChrysler
- SUN Microsystems
- SAS Institute
- Motorola

KDD2000 Statistics

Research Papers Submitted from 34 Countries



- Argentina
- Australia
- Austria
- Bahrain
- Belgium
- Brazil
- Canada
- Egypt
- England
- Finland
- France
- Germany
- Greece
- Hong Kong
- India
- Ireland
- Israel
- Japan
- So. Korea
- Malaysia
- Netherlands
- Norway
- Poland
- Portugal
- P.R. China
- Scotland
- Singapore
- Slovenia
- Spain
- Switzerland
- Taiwan
- Ukraine
- USA
- Vietnam

Function Chairs



- **Awards**, Heikki Mannila, *Nokia*
 - **Student Scholar Awards**, Wenke Lee, *NCSU*
- **KDD-Cup**, Carla Brodley, *Purdue U.* and Ronny Kohavi, *Blue Martini*
- **Panels**, Alex Tuzhilin, *NYU*
- **Publicity**, Paul Bradley, *Microsoft*
- **Tutorials**, Raymond Ng, *U. of British Columbia*
- **Workshops**, Philip Chan, *Florida Institute of Technology*
- **Conference Management Tool**, Surajit Chaudhuri, *Microsoft* and Jonathan Simon, *Microsoft*



KDD-2000

Industrial Track

KDD-IT Stats



- The industrial track received 36 submissions
 - 12 were selected for inclusion in the proceedings as industrial track papers
 - 4 were held in reserve.
- In addition, 13 papers from the main session were considered for inclusion in the industrial track.
 - 4 of which were accepted.

KDD2000 Statistics

IT Papers Submitted - by Subject



Paper	Subject Title						
1	Fraud						
1	Multimedia						
2	Data warehousing						
2	Evaluation						
2	Forecasting						
2	Operations						
2	Scalability						
2	User perspective						
3	Tracking						
4	Databases						
4	User interface						
4	Web						
5	E-Commerce						
6	Data cleaning/noisy data						
7	Market Segmentation						
9	Visualization						
10	Statistics						
10	Targeting						
10	Tools						
11	Algorithms						
12	Text Data-Mining						
20	Case studies						
29	Applications						

KDD2000 Statistics

25 Companies Submitted to KDD-IT



AT&T	Lycos
Accrue Software	Microsoft
Affymetrix	Motorola
AnVil Informatics	Norkom Technologies
Bank of Montreal	Polska Telefonia Cyfrowa
DaimlerChrysler	RAND
Ford	Siemens
HNC software	Silico Insights, Inc.
Honeywell	The Database Group
IBM	Veridian MRJ
IDHEAP	Vignette Corp
Instinct Software	ZS Associates
Lucent	



SIGKDD Newsletter Editor's Report



SIGKDD Standards Initiative



SIGKDD Treasurer's Report



SIGKDD Chair's Report

- KDD-2001 and KDD-2002
- State of the SIG

KDD-2001

- Site
 - Northern California
- Dates
 - August 19-22 (Sunday - Wednesday)
- Organization Chairs
 - General Chair
 - Mario Schkolnick (SGI)
 - PC Co-Chairs
 - Srikant Ramakrishnan (IBM)
 - Foster Provost (NYU)



KDD-2002

- Site
 - Edmonton (Alberta, Canada)
 - Co-Location with AAAI-2002 (?)
- Dates
 - July 17-20 (Wednesday - Saturday) (?)
 - Immediately Preceding AAAI (?)
- Organization Chairs
 - General Chair
 - Randy Goebel (University of Alberta)
 - PC Co-Chairs
 - TBD



State of the SIG

- Organized in August 1998
 - as a Provisionary ACM SIG
- Founding Executive Committee (EC)
 - Won Kim (Chair)
 - Rakesh Agrawal (Director, Treasurer)
 - Usama Fayyad (Director)
 - Christos Faloutsos (Director)
 - Gregory Piatetsky-Shapiro (Director)
 - Daryl Pregibon (Director)
 - Samy Uthurusamy (Director)



State of the SIG



- Have Met ALL ACM Requirements for a Viable SIG
 - sponsoring annual KDD conference
 - publishing semi-annual newsletter (“Explorations)
 - Usama Fayyad as Editor-in-Chief
 - built up membership and fund balance
 - that have surpassed ACM’s requirements
 - #12 in membership out of 37 ACM SIGs
 - \$150,000 in fund balance

State of the SIG



- What Should We Do with the \$150,000 in fund balance
 - send SIGKDD EC to the FIJI Island for one week
 - take a 1% equity stake in Usama Fayyad's DigiMine.Com
 - save it as a cushion against potential conference losses and as a reserve for additional services to members (YES)

State of the SIG



- Started the Annual Awards Program
 - Heikki Mannila as Awards Committee Chair
 - Innovations Award and Services Award
- Formed Strategic Alliances
 - ACM SIGMOD, ACM SIGART, AAAI
 - ASA, Interface

KDD Conferences



- Registration Fee
 - <\$400 (fixed at 1998 level)
 - (free) tutorials (1999)
 - (free) lunches (1999)
 - (free) workshops (2000)
 - (free) breakfasts (2000)
 - (free) hotel shuttle (2000)

State of the SIG



- Scheduled for a Viability Hearing by the ACM SIG Board
 - October 14, in Chicago
- Election of ALL EC Members
 - Chair, Treasurer, and 4-5 Directors
 - 2-year term, with an option for a 2-year extension
 - slate of candidates in October 2000
 - voting in April 2001
 - new EC to start on July 1, 2001
 - SIGKDD then becomes a Permanent SIG

State of the SIG



- Challenges Ahead
 - Solidify the SIG foundation
 - increase membership
 - maintain/increase fund balance
 - not lose money from conferences
 - maintain/evolve strategic alliances
 - turn Explorations into a quarterly publication
 - Substantially increase the pool of volunteers
 - newsletter editors/reviewers
 - KDD conference function chairs
 - KDD conference program committee
 - Identify and Implement Additional Services to Members