

Key notes, Invited Talks, colloquiums, seminars, and tutorials by Prof.
Sharma Chakravarthy, UT Arlington, a ACM Distinguished Scientist and
IEEE Senior Member.

Invited/Keynote Talks	
December 2018	Chakravarthy, S. (Author & Presenter), "Humble Data management to Big Data Analytics: A retrospective Stroll," given at BDA (BIG Data Analytics) Conference in Warangal, India, December 2018. Audience: 100
July 2018	Chakravarthy, S. (Author & Presenter), "Flexible Analysis of Multi-Source, Multi-Feature Data using Multilayer Networks," As part of LeadingIndia.AI series of lectures , SaintGits College, Kottayam, Kerala, India. (July 2018). Audience: 200
July 2018	Chakravarthy, S. (Author & Presenter), "Improving Answer Quality Prediction in Q/A Social Networks," As part of LeadingIndia.AI series of lectures , SaintGits College, Kottayam, Kerala, India. (July 2018). Audience: 200
July 2018	Chakravarthy, S. (Author & Presenter), "Flexible Analysis of Multi-Source, Multi-Feature Data using Multilayer Networks," Marwadi University, Rajkot, India. (July 2018). As part of the leadingIndia.AI initiative. Audience: 200
July 2018	Chakravarthy, S. (Author & Presenter), "Flexible Analysis of Multi-Source, Multi-Feature Data using Multilayer Networks," SR Engineering College, Warangal, India. (July 2018). As part of the leadingIndia.AI initiative. Audience: 200
July 2018	Chakravarthy, S. (Author & Presenter), "Improving Answer Quality Prediction in Q/A Social Networks," SR Engineering College, Warangal, India. (July 2018). As part of the leadingIndia.AI initiative. Audience: 250
June 2018	Chakravarthy, S. (Author & Presenter), "Improving Answer Quality Prediction in Q/A Social Networks," Marwadi University, Rajkot, India. (June 2018). As part of the leadingIndia.AI initiative. Audience: 250
Sep 2017	Gave an invited colloquium talk at Umea University in Sweden, titled "Improving Answer Quality Prediction in Q/A Social Networks" Audience: 30
September 2016	Chakravarthy, S. (Author & Presenter), "Data management to Data Science: A retrospective Contemplation," University of Skoevde, Sweden. (September 2016). Audience: 60

Jan 2013	Gave an invited seminar on Data mining at ISiM(International School of Information Management), Mysore, India. Audience: 100
Dec 2012	Keynote speaker at the Big Data Analytics (BDA) organized by the Delhi University, India and the University of Izsuo, Japan, December 2012, Audience: 120
Aug 2011	Information Processing: From File Systems to Cloud Computing, keynote given at the Fifth International Conference on Information Processing (ICIP) conference, Bangalore, India. Audience: 90
July 2011	A holistic, Similarity-Based Framework for Ranking in Web Databases, to be given at Delhi University, India. Audience: 40
March 2011	InfoSift: Adapting Graph Mining Techniques for Document Classification, Tokyo SIGMOD chapter talk at Tokyo Institute of Technology (Titech), Tokyo, Japan. Audience: 50
March 2011	Issues and Solutions for Stream Data Processing and Management, Tsukuba University, Tsukuba, Japan. Audience: 100
March 2011	Obtaining Actionable Information without Drowning in Data: From a Technology Perspective, keynote at the First data Intensive Workshop, Tokyo, march 2011. Audience: 100
December 2010	User- and Query-dependent Ranking for Web Databases, QUT (Queens University of Technology), Brisbane, Australia. Audience: 30
May 2010	InfoSift: Adapting Graph Mining Techniques for Document Classification, University of Kiel, Kiel, Germany. Audience: 30
January 2010	Querying the Web: Challenges and Approaches, Delhi technology University (DTU), India. Audience: 100
January 2010	Introduction to Stream Data Processing, Delhi University, India, Audience: 30
December 2009	Going Beyond Search: Querying the Web, keynote at the ICIT-2009 International Conference at Bhubaneswar, India. Audience: 100
July 2009	Information Integration Challenges for Querying the Web, Colorado State University, Fort Collins, Co (to be given). Audience: 50
May 2009	Information Integration: Challenges and Approaches, IBM India Research Laboratory, Bangalore. Audience: 25
May 2009	From Active Databases to Complex Event Processing: A retrospective, Wipro Applied Research Lab, Bengaluru. Audience: 25
May 2009	Querying the Web: Challenges and Approaches, IIT Madras, Chennai, India, Audience: 100
June 2009	Events and Streams: How to Improve Assisted Living Environments Through Automations, Keynote Talk, PETRA Conference, Corfu, Greece. Audience: 100
Apr 2008	MavEStream and InfoMosaic: Overview at the big* Symposium, Arlington, Texas, 2008, Audience: 50

July 2007	Overview of IT Laboratory Research Activities, Satyam Research, IISc. Bangalore. Audience: 10
July 2007	Issues and Solutions for Stream Data Processing and Management, Lucent Laboratory, Bangalore, India. Audience: 30
July 2007	Issues and Solutions for Stream Data Processing and Management, IBM Research Laboratory, Delhi, India. Audience: 40
June 2007	Adapting Graph-Mining Techniques for Email Classification, IBM Research Laboratory, Bangalore, India. Audience: 30
June 2007	Expressive Pattern Specification and Its Detection Over Stream/Text Repositories, IISc, Bangalore, India, Audience: 25
July 2007	Education, Research, Training, and Technology Transition, at HIET Ghaziabad, India, Audience: 100
July 2006	An Event-Based Framework for Role-Based Access control Generalization, Specification, and Enforcement, University of Cambridge, Cambridge, UK. Audience: 30
July 2006	Keynote address "Event-Based Active Capability: A technology that Refuses to Go Away", at the International Conference on Database and Information Systems (Baltic DB&IS), Vilnius, Lithuania. Audience: 100+
Dec 2004	WebVigil: Customized Change Detection in Web Environments, Invited talk at IBM/IRL, New Delhi. Audience: 30
Aug 2004	Graph Mining Using Relational Database techniques, Invited Talk, IIT Bombay, August 2004. Audience: 40
July 2004	Enabling Technologies for harnessing Information Explosion, Invited Talk, CSE-Chapter, Pune, July 2004. Audience: 100+
July 2004	Stream Processing Techniques for Telecommunication Applications, Presentation at Agilent, Scotland, July 2004. Audience: 10
Feb 2004	Graph Mining: Performance and Scalability Issues Using Relational Database Techniques, UNT, Denton, USA, 2004. Audience: 35
July 2003	Graph Mining: Performance and Scalability Issues Using Relational Database Techniques, York University, UK. Audience: 40
June 2003	Relational Database Approaches and Their Optimization Graph Mining, IBM research Center, India. Audience: 30
May 2003	Just-In-Time (JIT) Information Propagation: To Push or Not to Push?, Keynote talk at Information technology: Prospects and Challenges, Katmandu, Nepal. Audience: 100+

Jul 2002	S. Chakravarthy, "ECA Paradigm: Current-state-of the Art and what the Future Holds", at EnigmaTec, London, UK, June 17 th 2002, Audience: 10
Jun 2002	S. Chakravarthy, "Pervasiveness of ECA Paradigm: From Constraints to E-Commerce", Keynote Address at the International Workshop on Rule Markup Language (RuleML), Sardinia, Italy, June 4 th 2002. Audience: 60
Jan 2002	S. Chakravarthy and V. Kumar, "Profile-based Context-aware Information Delivery for Mobile Environments", presented at the Invited NSF Workshop on Context-aware Mobile and Pervasive Data Management, Providence, January 2002. Audience: 100
Jul 2000	Just-In-Time Information (JIT): To Push or Not to Push, Keynote talk at the British National Conference on Databases (BNCOD), July 2000. Audience:50
Aug 2000	Current Trends in Information Technology, Invited talk at SRA Systems, Chennai, India, Audience: 20
Nov 1999	From Databases to Information Technology, Invited talk at Skoevde, Sweden Nov 1999, Audience: 75
Nov 1999	A Retrospective Appraisal of Active and Real-Time Technologies and Their potential, Invited talk at RTIS, Dallas, Audience: 60
Jul 1998	Inducing Cooperation Among Information Systems, Keynote talk at the Cooperative Information Systems and Agents (CIA'98), Paris, July 1998. Audience: 100+
Mar 1997	Promises and Realities of Active Database Technology: An appraisal, Invited talk at the 8th Data Engineering Workshop, Kobe, Japan. Audience: 50
Nov 1996	A Practical approach to Build Real-Time Database Applications Invited talk at the Workshop on Databases: Active and Real-Time (Concept meets Practice) (DART'96), Bethesda, Maryland. Audience: 60
Aug 1996	Extensions to Snoop: Event specification for Real-Time Applications, Invited talk at the SNART (Swedish Association for Real-Time Systems) meeting, Skovde, Sweden. Audience: 100
Jul 1995	Reactive Capability in Data, Knowledge Bases: A Core Requirement for Advanced Applications Keynote talk at the Basque Int'l Workshop on Information Technology (BIWIT'95), San Sebastian, Spain. Audience: 70

Jul 1995	Experiences in Building an active OODBMS: Where We Are and Where Are We Headed? At the ACTNET meeting, San Sebastian, Spain. Audience: 60
Feb 1994	Snoop: An Expressive Event Specification Language for Active Databases, at the 5th International Hong Kong Computer Society Database Workshop, Kowloon, Hong Kong. Audience: 75
Feb 1992	Extending Database Management Systems for Supporting Engineering Applications, at the First International Congress of Electromechanical Engineering, Problems, and Perspectives held at Mexico City, Mexico. Audience: 100+
Sep 1991	Combining Active and Deductive Capabilities: A Systems Perspective, at the Second International Workshop on Deductive Approach to Information Systems and Databases, Aiguablava, Spain. Audience: 50
	Invited Tutorials
March 2014	Graph Mining Approaches: From Main Memory to Map/Reduce, DASFAA, 2014, Bali, Indonesia. Audience: 50
December 2009	Information Integration: Challenges and Approaches, COMAD, Mysore. Audience: 40
December 2008	Graph Mining Techniques and Applications, COMAD, Mumbai, India. Audience: 60
April 2008	Stream Processing: Going Beyond Database Management Systems, to be given at the ICDE 2008 conference in Cancun, Mexico. Audience: 40
March 2008	Stream Processing: Going Beyond Database Management Systems, to be given at the DASFAA 2008 conference, New Delhi. Audience: 65
Sep 2006	Stream Processing: Going Beyond Database Management Systems, at ADBIS Conference in Thessaloniki, 2006. Audience: 50
April 2006	Database Mining as Opposed to Data Mining, at the Pacific Asia Conference on Knowledge and Data Discovery (PAKDD), Singapore, April 2006. Audience: 30
Mar 2006	Graph Mining Techniques and Applications, EDBT (Extended Database technology) Conference, Munich, Germany, 2006. Audience: 40
May 2005	Graph Mining Techniques and Applications, PAKDD (Asia Pacific Conference on Knowledge and Data Discovery), Hanoi, Vietnam. Audience: 50
May 2003	Push Vs. Pull: Information Dissemination Techniques for the Web, International Conference on Information Technology: Problems and Challenges, 2003 Katmandu, Nepal. Audience: 100+

Dec 1995	Emerging Trends in Database Systems, at the 7th International Conference on Management of Data (COMAD '95), Pune, India, December 1995, (jointly with Prof. S. B. Navathe). Audience: 50
Dec 1994	Object-Oriented Database Concepts and Systems at the International Conference on the management of Data (COMAD '94) in India, (jointly with Prof. S. B. Navathe). Audience: 50
Jun 1994	Distributed Data Management: Promises, State-of-the-art, and Current Trends, at the 14th International Conference on Distributed Computing Systems (ICDCS'14), Poznan, Poland. Audience: 30
Feb 1994	Active Databases: Issues and Concepts, at the 5th International Hong Kong Computer Society Database Workshop, Kowloon, Hong Kong. Audience: 30
Apr 1993	Active and Real-Time Databases, at the International Conference on Data Engineering (ICDE '93) in Vienna, Austria (jointly with Prof. Alex Buchmann) Audience: 40
Oct 1992	Federated, Heterogeneous Databases, at the 11th International conference on Entity Relationship Approach, Karlsruhe, Germany (jointly with Prof. S. B. Navathe) Audience: 35
Feb 1992	Active and Real-Time Databases, at the Eight International Conference on Data Engineering at Phoenix. Audience: 50
Dec 1991	Active and Real-Time Databases at the International Conference on the Management of Data (COMAD '91) in India. Audience: 45
Oct 1991	Active and Real-Time Databases at the 10th International conference on Entity Relationship Approach, San Mateo, CA. Audience: 50
Oct 1990	Active and Heterogeneous Databases at the 9th International conference on Entity Relationship Approach, Lausanne, Switzerland. Audience: 50
	Invited Seminar/Colloquium (not updated since 2004)
Sep 2004	S. Chakravarthy, "Graph Mining Using the Relational Approach", IBM Global services center, new Delhi.
Dec 2004	S. Chakravarthy, "WebVigil: Customized Change Detection for Web Environments", IBM Research Lab, New Delhi.

Aug 2002	S. Chakravarthy, "Active Capability-Based Change Detection in Large Network-Centric Environments", Asian Institute of Technology, Bangkok, Thailand.
July 2002	S. Chakravarthy, "WebVigiL: A Rule-Based Approach to Change Detection in Web Environments", At the Birkbeck College, University of London, June 17 th 2002.
Aug 1998	An Agent-Based Approach to Extending The native Active Capability of Relational Database Systems, at the Indian Institute of Science, Bangalore, India.
Jul 1998	An Agent-Based Approach to Extending The native Active Capability of Relational Database Systems, at the Indian Institute of Technology (IIT) -- Bombay, Mumbai, India.
Sep 1997	Design and Implementation of the Global Event Detector, at the University of Linkoping, Sweden.
Mar 1997	Design and Implementation of the Local Event Detector, at JAIST (Japan Advanced Institute of Science and Technology), Hokuriku, Japan.
Jun 1996	A general Framework for Supporting Active Capability: An Overview of Sentinel, at Technion, Haifa, Israel.
Jul 1996	Sentinel Overview'', at Bilkent University, Ankara, Turkey.
Apr 1996	Broader Uses of Active Capability: An Appraisal, at CS/MIS Lecture Series, University of Arizona, Tucson.
Mar 1996	Design and Implementation Details of Sentinel, at Hewlett-Packard Labs., Palo Alto, CA.
Mar 1996	Technology Transfer of Active Capability, at Informix, Mountain View, CA.
Sep 1995	Promises and Realities of Active Capability: An Appraisal, at the T. J. Watson Research Center, IBM, Hawthorne, NY.
Jul 1995	Overview of Sentinel: An Active Object-Oriented DBMS, Institut National de Recherche en Informatique et Automatique (INRIA), Paris, France.
Mar 1995	Overview of Sentinel: An Active Object-Oriented DBMS, Indian Institute of Science, Bangalore, India.

Mar 1995	Active and Real-Time DBMS Work at the University of Florida, Hong Kong University of Science and Technology (HKUST), Hong Kong.
Mar 1995	Overview of Sentinel: An Active Object-Oriented DBMS, University of California at Los Angeles, CA.
Jul 1994	Architecture and Implementation of Sentinel: An Object-Oriented Active DBMS, University of Skovde, Sweden.
Jun 1994	Overview of Sentinel: An Object-Oriented Active DBMS, Institute of Computing Science, Technical University of Poznan, Poznan, Poland.
Jun 1994	Snoop: Semantics, Contexts, and Implementation in Sentinel, Institut Fur Informatik, Technische University at Cottbus, Cottbus, Germany.
Jun 1994	
Jun 1994	An Introduction to Object-Oriented Active Databases, Information Management Resources, Bombay, India.
Oct 1992	Real-Time Transaction Scheduling: A Cost Conscious Approach, at TH Darmstadt, Darmstadt, Germany.
Jun 1992	An Expressive Event Specification Language for Sentinel, at the Computer Systems Laboratory, Texas Instruments, Dallas, June 1992.
May 1992	Active, Real-Time, and Heterogeneous Databases, a short course at the Computer Science Department, University of Skovde, Skovde, Sweden. Also, set research directions for the program.
May 1992	Events, Triggers, and Active Databases, at the Department of Computer Science, University of Linkoping, Linkoping, Sweden.
Feb 1992	Event Specification in Sentinel, at the Microelectronics and Computer Technology Corporation (MCC), Austin, Texas.
Dec 1991	Rule Optimization in Sentinel, at the Tata Institute of Fundamental Research, Bombay, India.
Dec 1991	Supporting Very Large Rule Bases: An Active Database Approach, Tata Consultancy Services, Bombay, India

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Dec 1991	Next Generation DBMSs: Need for Active and Real-Time Functionality, at the Computer Society of India, Bangalore Chapter, Bangalore, India.
Jun 1991	Cooperative Problem Solving: A DB-Centric Approach at the workshop for establishing directions for cooperative scientific problem solving, Trento, Italy.
May 1991	Situation Monitoring in Active Databases, at the National Center for Software Technology (NCST), Bombay, India
Apr 1991	Making an Object-Oriented System Active: Design and Implementation Issues, at NTT Data Communications, Tokyo, Japan.
Apr 1991	Active Database Systems: What Next?, KAIST (Korea Advanced Institute for Science and Technology), Seoul, South Korea.
Apr 1991	Active Database Systems: At the Crossroad of AI and Databases, Tokyo Denki University, Tokyo, Japan.
Apr 1991	Active Database Systems: An Overview, Fujitsu Labs, Tokyo, Japan
Sep 1990	Active Databases: Issues, and Solutions, Columbia University, New York.
Mar 1990	HiPAC: Overview of an Active Database Management System, Dipartimento di Elettronica, Politecnico di Milano, Milan, Italy.
Oct 1989	Beyond PROBE and HiPAC: Desiderata of DBMS Features for Supporting Non-traditional Applications, Database Research Workshop, Database Systems Research and Development Center, University of Florida.
Aug 1989	Rule Management and Evaluation: An Active DBMS Perspective, Institut National de Recherche en Informatique et Automatique (INRIA), Paris.
Aug 1989	Multiple Query Optimization: Making it Viable for Advanced DBMSs, European Computer-Industry Research Center GMBH (ECRC), Munich.
May 1989	Overview of HiPAC: An Active, Time-Constrained Database Management System, Hewlett-Packard Laboratories.

