

**14th International Conference on Management of Data**



# COMAD 2008

**December 17-19, 2008**

**Indian Institute of Technology, Bombay, India**

- ★ *Conference Program*
- ★ *Location Map*
- ★ *Internet Access*
- ★ *Eating Places*



WEDNESDAY AT A GLANCE		DECEMBER 17
	<b>PC Saxena Auditorium (LT)</b>	
08:00-09:00	Registration	
09:00-09:30	Welcome	
09:30-11:00	Keynote Address1: Decision Support Queries: A solved problem? <i>Surajit Chaudhuri, Microsoft Research</i> <i>Chair : Gautam Das</i>	
11:00-11:30	Coffee Break	
	<b>Track-1 : PC Saxena Auditorium (LT)</b>	<b>Track-2 : IRCC Auditorium (SJ. SOM building, ground floor)</b>
11:30-13:00	Industry & Applications I <i>Chair: S. Sudarshan</i>	Tutorial-1 <i>Chair: P. Sreenivasa Kumar</i>
	Internet Research: What's hot in Search, Advertizing, and Cloud Computing <i>Rajeev Rastogi, Yahoo! Labs Bangalore</i>	Graph Mining Techniques and Their Applications <i>Sharma Chakravarty (Univ. of Texas at Arlington)</i>
	Building Internet Scale Applications using a Distributed Cache <i>Seshu Adunuthula, Microsoft</i>	
13:00-14:30	Lunch Break (Gulmohar, 3 <sup>rd</sup> Floor in Canara Bank building)	
14:30-16:00	R1: Web Search/IR <i>Chair : Anthony Kum Hoe Tung</i>	Tutorial-1 (Contd.)
	Kshitij: A Search and Page Recommendation System for Wikipedia <i>Phanikumar Bhamidipati, Kamalakar Karlapalem (IIIT, Hyderabad)</i>	Graph Mining Techniques and Their Applications <i>Sharma Chakravarty (Univ. of Texas at Arlington)</i>
	Query Heartbeat: A Strange Property of Keyword Queries on the Web <i>Karthik R, Aditya Rachakonda, Srinath Srinivasa (IIIT, Bangalore)</i>	
	Personalized Web-page Rendering System <i>Swapna Raj, Prabakara Raj, Balaraman Ravindran (IIT Madras)</i>	
16:00-16:30	Coffee Break	
16:30-18:00	Student Papers <i>Chair: Srinath Srinivasa</i>	Industry & Applications II <i>Chair : Vadiraja Bhatt</i>
	An Experiment with Distance Measures for Clustering <i>Ankita Vimal, Satyanarayana Valluri, Kamalakar Karlapalem (IIIT Hyderabad)</i>	Native Multidimensional Indexing in Relational Databases <i>David Hoksza, Tomas Skopal (Charles University, Prague)</i>
	Querying for Information Integration: How to go from an Imprecise Intent to a Precise Query? <i>Aditya Telang, Sharma Chakravarthy (University of Texas Arlington), Chengkai Li</i>	Forecasting Using Consistent Experts <i>M Vijayalakshmi, Bernard Menezes, Venu Gopal (IIT Bombay)</i>
	Modeling Uncertain and Imprecise Information in Process Modeling with UML <i>XIAO Jing (INSA-LATTIS), Pierre PINEL (INSA-LATTIS), Lei PI (IRIT), Vincent ARANEGA (IRIT), Claude BARON (INSA-LATTIS)</i>	X

THURSDAY AT A GLANCE		DECEMBER 18	
<b>F.C. Kohli Auditorium (Rekhi Building a.k.a. KReSIT)</b>			
09:00-10:30	Keynote Address2: Finding Information on the Web – Past, Present and Future <i>S. Seshadri, Kosmix Inc.</i> <i>Chair: N.L. Sarda</i>		
10:30-11:00	Coffee Break		
	<b>Track-1 : F.C. Kohli Auditorium</b>	<b>Track-2 : Lecture Hall (KReSIT)</b>	<b>Track-3: SIC 301 (KReSIT)</b>
	R2: Security/Integrity <i>Chair: Sharma Chakravarty</i>	Tutorial-2 <i>Chair: Sunita Sarawagi</i>	R3: XML processing <i>Chair: Arvind Hulgeri</i>
11:00-12:30	The Efficient Maintenance of Access Roles with Role Hiding <i>Chaoyi Pang (CSIRO), Xiuzhen Zhang (RMIT University), Yanchun Zhang, Ramamohanarao Kotagiri (University of Melbourne)</i>	Uncertain Clustering: Models, Methods and Applications <i>Zhenjie Zhang and Anthony K. H. Tung (National University of Singapore)</i>	Declaratively Producing Data Mash-ups <i>Sudarshan Murthy, David Maier (Portland State University)</i>
	Ambiguity: Hide the Presence of Individuals and Their Privacy with Low nformation Loss <i>Hui Wang (Stevens Institute of Technology)</i>		On Inferring K Optimum Transformations of XML Document from Update Script to DTD <i>Nobutaka Suzuki (University of Tsukuba)</i>
	X		Efficient Evaluation of Forward XPath Axes over XML Streams <i>Abdul Nizar, Sreenivasa Kumar (IIT Madras)</i>
12:30-14:00	Lunch Break (F. C. Kohli Auditorium, back foyer)		
14:00-15:30	R4: Transaction Management, Data Integration <i>Chair: Mukesh Mohania</i>	Demonstrations <i>Chair: Ravindra Guravannavar (Venue: CSE Library, KReSIT)</i>	Invited Talk
	Exploiting Semantics and Speculation for Improving the Performance of Read-only Transactions <i>Ragunathan Thirumalaisamy, Krishna Reddy Polepalli (IIIT, Hyderabad)</i>	The Orion Uncertain Data Management System <i>Sarvjeet Singh, Chris Mayfield, Sagar Mittal, Sunil Prabhakar, Susanne Hambrusch, Rahul Shah (Department of Computer Science, Purdue University)</i>	Nobody Writes Letters Anymore: Helping people make sense of historically significant email collections <i>Douglas Oard (Univ. of Maryland)</i>
	Concurrency Control in Distributed MRA Index Structure <i>Neha Singh, S Sudarshan (IIT, Bombay)</i>	Silverfish: A Contextual Knowledge Extraction and Aggregation System for Academics <i>Srinath Srinivasa, Aditya Ramana Rachakonda (IIIT, Bangalore)</i>	
Information Integration Across Heterogeneous Sources: Where Do We Stand and How to Proceed? <i>Aditya Telang, Sharma Chakravarthy (University of Texas Arlington), Yan Huang</i>			

15:30-16:00	Coffee Break		
	<b>Track-1 : F.C. Kohli Auditorium</b>	<b>Track-2 : Lecture Hall (KReSIT)</b>	<b>Track-3: SIC 301 (KReSIT)</b>
16:00-17:30	R5: Data Mining I <i>Chair: Sunita Sarawagi</i>	Industry & Applications III <i>Chair : Anand Deshpande</i>	
	Disk-Based Sampling for Outlier Detection in High Dimensional Data <i>Timothy De Vries (The University of Sydney), Sanjay Chawla, Pei Sun, Gia Vinh Anh Pham</i>	Sybase Appliance for Extreme Analytics <i>Shailesh Mungikar, Sybase Software (India) Pvt. Ltd.</i>	
	CUM: An Efficient Framework for Mining Concept Units <i>Santhi Thilagam (NITK Surathkal)</i>	BI on Data and Content Together: What will you do with the derived insights? <i>Mukesh Mohania, IBM India Research Lab</i>	
	Discovering Interesting Subsets Using Statistical Analysis <i>Maitreya Natu, Girish Palshikar (TRDDC)</i>		
18:00-18:45	Coffee (PC Saxena Foyer)		
19:00-20:15	Culture Program: Folk dance by Nrityanjali Performing Arts (PC Saxena Auditorium)		
20:30-22:00	Conference Banquet (Gulmohar, 3 <sup>rd</sup> Floor)		

FRIDAY AT A GLANCE		DECEMBER 19	
<b>F.C. Kohli Auditorium (Rekhi Building a.k.a. KReSIT)</b>			
09:00-10:30	Keynote Address3: Cloud Computing at Yahoo! <i>Raghu Ramakrishnan, Yahoo Inc.</i> <i>Chair: Krithi Ramamritham</i>		
10:30-11:00	Coffee Break		
	<b>Track-1 : F.C. Kohli Auditorium</b>	<b>Track-2 : Lecture Hall (KReSIT)</b>	<b>Track-3: CSE Library (KReSIT)</b>
11:00-12:30	R6: Data Mining II <i>Chair: P. Krishna Reddy</i>	R7: Query Processing/Optimization <i>Chair: Kamal Karlapalem</i>	Demonstrations (Repeat) <i>Chair: Ravindra Guravannavar</i>
	REBMEC: Repeat Based Maximum Entropy Classifier for Biological Sequences <i>Pratibha Rani, Vikram Pudi (IIIT Hyderabad)</i>	Runtime Optimization of Continuous Queries <i>Balakumar Kendai, Sharma Chakravarthy (University of Texas Arlington)</i>	The Orion Uncertain Data Management System <i>Sarvjeet Singh, Chris Mayfield, Sagar Mittal, Sunil Prabhakar, Susanne Hambruch, Rahul Shah (Department of Computer Science, Purdue University)</i>
	An Incremental Summary Generation System <i>Ravindranath Chowdary, Sreenivasa Kumar P (IIT Madras)</i>	Towards the Preservation of Keys in XML Data Transformation for Integration <i>Md. Sumon Shahriar (University of South Australia)</i>	Silverfish: A Contextual Knowledge Extraction and Aggregation System for Academics <i>Srinath Srinivasa, Aditya Ramana Rachakonda (IIIT, Bangalore)</i>
	Topic Distillation using Support Vector Data Description <i>Vijaya Saradhi (TRDDC, Pune), Harish Karnick (Dept. of CSE, IIT Kanpur), Pabitra Mitra (Dept. of CSE, IIT Kharagpur)</i>	Exploiting Asynchronous IO using the Asynchronous Iterator Model <i>Suresh Iyengar, S Sudarshan, Santosh Kumar, Raja Agrawal (IIT, Bombay)</i>	
12:30-14:00	Lunch Break (F. C. Kohli Auditorium, back foyer)		
14:00-15:30	Gong Show* (F. C. Kohli Auditorium) <i>Chair: Sunita Sarawagi</i>		

\*Gong Show: The gong show will consist of a series of short presentations where an invited group of participants from academia and industry will present an overview of their work. The goal of the gong show is to foster collaboration and encourage our younger participants to take up research careers in databases and related fields.



IRCC Audi - Located in the School of Management (SJ. SOM) building, ground floor.

PC Saxena Audi (also called Lecture Theatre) - Located near the IIT main building, next to the lawns.

F.C. Kohli Audi - Located in the Kanwal Rekhi building (also known as KReSIT), first floor.

Lecture Hall and SIC 301 - Located on the 3rd floor of KReSIT

## Internet Access

### Wireless access and web proxy setup

1. Use DHCP to connect to the network (wireless or wired). For wireless access in the KReSIT Bldg connect to the CSE-KReSIT or CSE-Rekhi network.  
Wireless access in PC Saxena/IRCC auditorium may not be accessible without an IITB login.
2. Set network proxy to proxy.cse.iitb.ac.in, port 80. To do this
  - i. for Firefox on Linux, go to Edit/Preferences/Network, click on Settings.
  - ii. for Firefox on Windows, go to Tools/Options/Advanced/Connection, click on Settings
  - iii. for IE, go to Tools/Options/Connection, click on LanSettingsIn all the above cases **make sure** you set no proxy for 10.0.0.0/24,\*.iitb.ac.in
3. When you connect to any page outside IIT you will be asked for login/password. The login information is provided in the printed brochure.

**A few terminals will also be available in the CSE Library, Rekhi Building (aka KreSIT)**

## Eating Places

- Gulmohar Cafe (2nd floor, Canara Bank building, IITB Campus)  
Cuisine: Indian/Chinese, Wallet Factor: 150-200 per person
- Hostel-12 Mess/Canteen (IITB Campus)  
This is the only mess in IIT with “pay and eat” facility for guests. Hostel-12 also has a night canteen that operates from 11 PM to 4 AM.
- Lakshmi (Opp IITB main gate)  
Cuisine: South Indian, Wallet Factor: 100-150 per person
- Pizza Hut, about 1/2 KM from IIT Main Gate)  
Cuisine: Pizza, Wallet Factor: 150-200 per person
- Saffron Spice (near Pizza Hut)  
Cuisine: Indian, Wallet Factor: 350-450 per person
- Galleria, Food Court (Hiranandani)  
Cuisine: Indian/Punjabi/Chinese, Wallet Factor: 150-200 per person
- Mainland China (Hiranandani, next intersection from Dmart)  
Cuisine: Chinese, Wallet Factor: 400-500 per person
- Utsav (Hiranandani, near Hiranandani Foundation School)  
Cuisine: Indian, Wallet Factor: 200-300 per person