16th International Conference on Management of Data

COMAD 2010

December 8-10, 2010.

Visvesvaraya National Institute of Technology,
Nagpur, India

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<h1 style="text-align:center; color:#1F4E79">Conference Program</h1>

WEDNESDAY AT A GLANCE		DECEMBER 8, 2010
	AUDITORIUM	
08:00 - 08:45	**Registration**	
08.45 – 09.15	**Welcome**	
09.15 - 10.30	**Keynote Address 1: The Future of Data Warehousing** *Dr. Stephen Brobst, CTO, Teradata Corporation, USA.* *Chair: Prof. N. L. Sarda, IIT, Bombay*	
10.30 – 11.00	**Coffee Break**	
	Track-1 : Auditorium	**Track-2 : Lecture Room MEC - G6** **Material Engineering Centre**
	Research Session – I Database Systems *Chair: Dr. Prasad Deshpande, IBM India.*	**Tutorial – I** *Chair: Prof. A. G. Keskar, VNIT, Nagpur*
11:00 - 12:30	**Aggregate Skyline Join Queries: Skylines with Aggregate Operations over Multiple Relations** *Arnab Bhattacharya (IIT Kanpur) and Palvali Teja (Amazon, Hyderabad)* **INSTRUCT: Space-efficient Structure for Indexing and Complete Query Management of String Databases** *Sourav Dutta (IBM Research India) and Arnab Bhattacharya (IIT Kanpur)* **Handling Negation in General Deductive Databases: A Program Transformation Method** *Weiling Li, Komal Khabya, Ming Fang and Rajshekhar Sunderraman (Georgia State Univ, USA)*	**A Survey on Sampling Techniques and Applications** *Dr Sameep Mehta and Dr Vinayak Pandit (IBM Research - India)*
12.30 - 13.30	**Lunch Break**	
	Industry Session – I *Chair: Dr Srinath Srinivasa, IIIT Bangalore*	**Tutorial 1 (contd.)** *Chair: Prof. A. G. Keskar, VNIT, Nagpur*
13.30 – 15.00	**Invited Talk: Data Management Challenges in India's Unique Identification Number System** *Pramod Varma, Chief Architect, Unique Identification Authority of India (13.30 – 14.30)* **Building Knowledge-bases from the Web** *Srinivasan H Sengamedu, Yahoo Labs, India*	**A Survey on Sampling Techniques and Applications** *Dr Sameep Mehta and Dr Vinayak Pandit (IBM Research - India)*
15.00 – 15.30	**Coffee Break**	
	Industry Session – I (contd.) *Chair: Dr Srinath Srinivasa, IIIT Bangalore*	**Tutorial – II (16.20 – 17.00)** *Chair: Prof. Gautam Das, UT, Arlington.*
15.30 -16.20	**Performance Based Display Advertising: A Large Scale Machine Learning Model in Practice** *Krishna Prasad Chitrapura, Yahoo Labs, India* **A Model Driven Approach to Enterprise Data Integration** *Sreedhar Reddy, Tata Consultancy Services, India*	**Information Retrieval and Text Mining Opportunities in Bioinformatics** *Dr N Jeyakumar Natarajan (Bharathiar University)*
16.20 – 17.20	**Poster Session – I** [Lecture Room MEC – G7, Material Engineering Centre]	
17.30 – 18.30	**SIGDATA Meeting** (Open to all participants) **[Auditorium]**	

	Track-1 :Auditorium	Track-2 : Lecture Room MEC - G6 Material Engineering Centre
	AUDITORIUM	
09.00 – 10.15	**Keynote Address 2: Scalable Data Management in the Cloud: Research Challenges and Opportunities** *Prof. Divyakant Agrawal, University of California, Santa Barbara, USA.* *Chair: S. Sudarshan, IIT, Bombay*	
10.15 – 10.45	**Coffee Break**	
	Track-1 :Auditorium	**Track-2 : Lecture Room MEC - G6** **Material Engineering Centre**
	Research Session – II Information Retrieval and Web *Chair: Prof. P. Krishna Reddy, IIIT Hyderabad*	**Tutorial II(contd.)** *Chair: Prof. Gautam Das, UT, Arlington.*
10.45 – 12.30	**Extracting Problem and Resolution Information from Online Discussion Forums** *Preethi Raghavan (Ohio State Univ, USA), Rose Catherine K, Shajith Ikbal, Nandakishore Kambhatla and Debapriyo Majumdar (IBM Research India)* **Analysis and Modeling of Evolving Database-centric Web Applications** *Sista Venkata Madhava Krishna, Karnati Satyadeep (IIT Guwahati), Abhishek Biswas (Old Dominion Univ, USA) and Jagannathan Srinivasan (Oracle Inc)* **High-Precision Web Extraction Using Site Knowledge** *Meghana Kshirsagar (UIUC, USA), Rajeev Rastogi (Yahoo, Bangalore), Sandeepkumar Satpal (Microsoft,Hyderabad), Srinivasan Sengamedu (Yahoo, Bangalore)and Venu Satuluri (Ohio State Univ, USA)* **An unsupervised Approach to Sentence Classification** *Shailesh Deshpande (TCS, India), Girish Palshikar (TRDDC, Pune) and G. Athiappan (TCS, India)*	**Information Retrieval and Text Mining Opportunities in Bioinformatics** *Dr N Jeyakumar Natarajan (Bharathiar University)*
12.30 – 13.30	**Lunch Break**	
	Industry Session – II *Chair: Prof. O. G. Kakde, NIT, Nagpur.*	**Tutorial – III** *Chair: Dr Vinayak Pandit, IBM India.*
13.30 – 15.15	**Invited Talk: System Performance Challenges at NSDL** *Rajesh Doshi, Executive Director, National Securities Depository Ltd, India (13.30 – 14.30)* **Minimizing Testing Overheads in Database Migration Lifecycle** *Sangameshwar Patil, Sasanka Roy, John Augustine, Amanda Redlich, Sachin Lodha, Harrick Vin, Anand Deshpande, Mangesh Gharote, Ankit Mehrotra, TRDDC, India* **Content-Aware Master Data Management** *Karin Murthy, Deepak P., Prasad M. Deshpande, Sreekanth L. Kakaraparthy, Vedula T. Surya Sandeep, Vijaya K. Shyamsundar, Sanjay K. Singh, IBM Research, India.*	**Data Mining Problems in Internet Ad Systems** Prof. S Muthukrishnan (Rutgers University)
15.15 – 15.45	**Coffee Break**	
	SIGMOD 2010 Highlights Session *Chair: Prof. S. R. Sathe, NIT, Nagpur.*	**Tutorial – III (contd.)** *Chair: Dr Vinayak Pandit, IBM India.*
15.45 – 16.45	**B^{ed}-Tree: An All-Purpose Index Structure for String Similarity Search Based on Edit Distance** *Zhenjie Zhang (NUS, Singapore), Marios Hadjieleftheriou (AT&T, USA), Beng Chin Ooi (NUS, Singapore) and Divesh Srivastava (AT&T, USA)* **Constructing and Exploring Composite Items.** *Senjuti Basu Roy (UT, Arlington), Sihem Amer-Yahia, Ashish Chawla (Yahoo! Research), Gautam Das(UT, Arlington), Cong Yu (Yahoo! Research)*	**Data Mining Problems in Internet Ad Systems** Prof. S Muthukrishnan (Rutgers University)
16.45 – 17.45	**Poster Session – II** [Lecture Room MEC – G7, Material Engineering Centre]	
19:00 - 22:30	**Conference Banquet [Persistent Systems, Infotech Tower Terrace]**	

	AUDITORIUM	
09.15 – 10.30	**Keynote Address 3: Making Web-scale Entity-Relationship Search a Reality** *Prof. Soumen Chakrabarti, IIT Bombay.* *Chair: Prof. P. Sreenivasa Kumar, IIT Madras.*	
10.30 – 11.00	**Coffee Break**	
	Track-1 : Auditorium	**Track-2 : Lecture Room MEC - G6** **Material Engineering Centre**
	Research Session – III Data Mining **Chair: Prof. Arnab Bhattacharya, IIT Kanpur.**	**Tutorial – IV** *Chair: Prof. P. S. Deshpande, VNIT, Nagpur*
11.00-12.30	**Selecting a Right Interestingness Measure for Rare Association Rules** *Akshat Surana, Uday Kiran and Polepally Krishna Reddy (IIIT Hyderabad)* **On Bayesian Network and Outlier Detection** *Sakshi Babbar and Sanjay Chawla (Univ of Sydney)* **A Robust Active Learning framework using Itemset based Dynamic Rule Sampling** *Bhanukiran Vinzamuri and Vikram Pudi (IIIT, Hyderabad)*	**Representing Large-scale Uncertainty through Probabilistic Databases** Dr Prithviraj Sen (Yahoo! Labs, India)
12.30-13.30	**Lunch break**	
	Sponsors Talk	**Tutorial – IV (contd.)** *Chair: Prof. P. S. Deshpande, VNIT, Nagpur*
13.30 – 14. 00	**Infosys**	**Representing Large-scale Uncertainty through Probabilistic Databases** Dr Prithviraj Sen (Yahoo! Labs, India)
14.00 –15.30	**Gong Show*** *Chair: Prof. P. Sreenivasa Kumar, IIT Madras.*	
15.30 – 15.45	**Closing Session [Auditorium]**	
15.45 – 16.15	**Coffee Break**	

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.

POSTER SESSION (I and II) PAPERS

- Processes Summarization
    - Biplav Srivastava (IBM Research, India)
- Adressing internal consistency with multidimensional conditional functional dependencies
    - Stefan Bruggemann, (Institute for Information Technology, Oldenburg, Germany)
- From Model Extraction to Model-based Reuse of Enterprise Documents
    - Biplav Srivastava, Debdoot Mukherjee, Rema Ananthanarayanan and Vibha Sinha (IBM Research, India)
- Evaluating Information Coverage in Machine Generated Summary and Variable Length Documents
    - Niraj Kumar, Kannan Srinathan and Vasudeva Varma (IIIT, Hyderabad)
- Analyzing Periodically Occurring Patterns in Time Series
    - Shivam Sahai, Maitreya Natu and Vaishali Sadaphal (TRDDC, Pune)
- Digging up the Dirt on User Generated Content Generation
    - Jake T Lussier, Troy Raeder and Nitesh Chawla (Univ of Notre Dame, USA)

Internet Access

Network access and web proxy setup
1. Use DHCP to connect to the network (wired/wireless)
2. Set network proxy to 172.31.4.6 or 172.31.4.5 and, port 8080. To do this
   a. For Firefox on Linux, go to Edit/Preferences/Network, click on Settings.
   b. For Firefox on Windows, go to Tools/Options/Advanced/Connection, click on Settings
   c. For IE, go to Tools/Options/Connection, click on LanSettings

Wireless Access
1. For Everyone: To Access in Auditorium connect to the comad-audi network
2. For Delegates: To Access in Student Activity Centre connect to the comad-sac network
3. For Guests: To Access in Guest House(Lobby and TV rooms) connect to the comad-gh network

Please note that no login/password is required to connect to the network
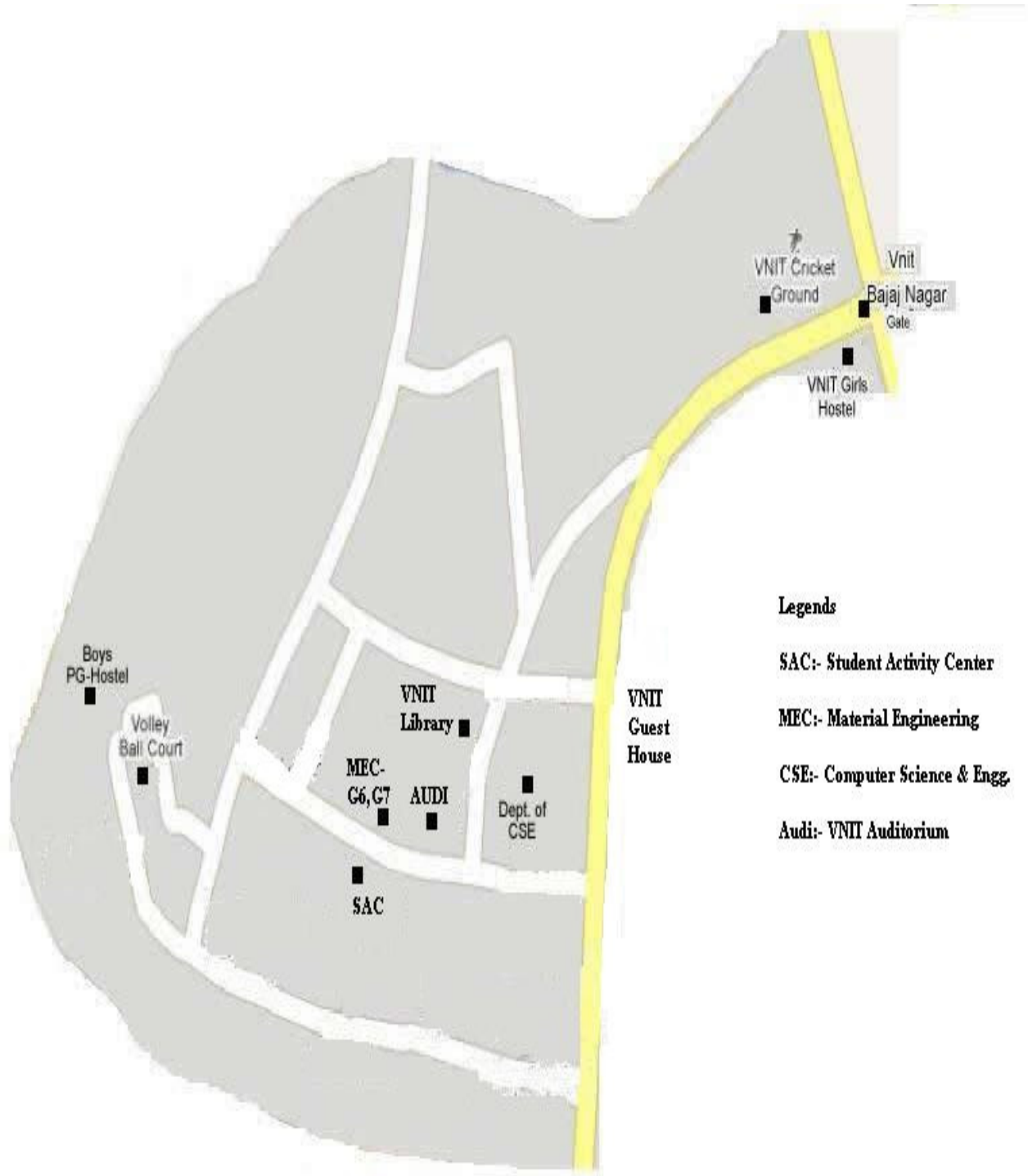
For Student participants only
Internet access is available in Computer Centre (2nd floor of Library building) till 10 pm

Eating Places

- **Domino's Pizza** , about 1/2 KM from VNIT Main Gate
  Cuisine: Pizza, Wallet Factor: 150-200 per person

- **Haldiram's Planet Food Restaurant**
  o Munje Square, Abhyankar Road, Sitabuldi, Nagpur about 3 Kms.
  o Near Ajit Bakery, Ajni Sqaure, Wardha Road, Nagpur about 3 Kms.

- **Bawarchi Restaurant,** Vijay Arcade, Opp Deaf & Dumb School, Shankar Nagar, Nagpur about 2 Kms.
  Cuisine: Veg North Indian & South Indian, Wallet Factor: 100-125 per person

- **Nanking Chinese Restaurant**, Residency Road, Sadar, Nagpur about 7 Kms.
  Cuisine: Chinese, Wallet Factor: 150-200 per person

- **Reddys Gokul Brindavan**, Dharampeth, Nagpur about 2.5 Kms.
  Cuisine: South Indian, Wallet Factor: 100-125 per person

- **Veeraswami South India Restaurant**, Sadar, Nagpur about 7 Kms.
  Cuisine: South Indian, Wallet Factor: 100-125 per person

Map of VNIT Campus

VNIT Cricket Ground

Vnit Bajaj Nagar Gate

VNIT Girls Hostel

Boys PG-Hostel

Volley Ball Court

VNIT Library

VNIT Guest House

MEC-G6,G7

AUDI

Dept. of CSE

SAC

Legends

SAC:- Student Activity Center

MEC:- Material Engineering

CSE:- Computer Science & Engg.

Audi:- VNIT Auditorium

Contact Details

Registration/Helpdesk

Parnika	9975214288
Amrapali	9028414722
Rohit Vaidya	9764471816
Madhavi Borkar	9579235715
Mohit Gupta	9579235715
Deepti Srimankar	9860606477
Swati Mulchandani	9422823762

Guest House

Reception:	0712-280-1221
Sumanish Sarkar	8087104399
Rajiv Ranjan	9028464427
Digember Kumar	9579334914
Rushikesh Pathak	9960032218
Ashish Tiwari	9403964856

Travel/Taxi

V. Rahul	9595566234
Yogesh	9975897771
Kamal Bunkar	9960759504
Anshul Gupta	9503099316
Sanjay Dhok	9011528404

Boys PG Hostel

Gote Suhas	9765573020
Digambar Kumar	9579334914
Sunil Kumar Reddy	9561992258
Rahul Malik	9890603431
Krishna Thouti	9049473401

Girls Hostel

Veena Soni	9579207547
Sarla Selu	9579476547
Kavita	8928602046
Varda Ikhar	9049473401
Chandrayani Rokde	9975025800

Emergency Services

VNIT Ambulance (24x7):	8007673018
VNIT Clinic (Dr. S J Batra)	0712-280-1342
Timings: 0900-1200, 1700-1900	

Organizers

Dr. P. S. Deshpande, Organizing Chair	9403964854
A.S. Mokhade, Organizing Co-Chair	9422457645
M.M. Dhabu, Publicity Chair.	9960586984