

# ICON-2013: 10<sup>th</sup> International Conference on Natural Language Processing

December 18-20, 2013

Centre for Development of Advanced Computing(CDAC), Noida, India

Pre-Conference Tutorials & Workshop

Day 1: Wednesday, December 18

08:00 - 09:30	Registration for Tutorial/Workshop/Main Conference
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## Tutorials

Tutorial 1 (Full day)	Hall I
09:30 - 13:00	<b>Tutorial 1:</b> <b>Machine Learning for Machine Translation</b> Pushpak Bhattacharyya, Professor, Department of Computer Science and Engineering, IIT Bombay
13:00 - 14:00	Lunch
14:00 - 18:00	<b>Tutorial 1:</b> Contd. ...

Tutorial 2 (Half day)	Hall II
09:30 - 13:00	<b>Tutorial 2:</b> <b>Lexical Chains: Algorithms and Applications</b> Girish Keshav Palshikar

## Workshops

Workshop 1 (Full day)	Hall III
09:30 - 13:00	<b>Workshop 1:</b> <b>TBTCIA-2013: Techniques on Basic Tool Creation and Its Applications</b> Sivaji Bandyopadhyay, Professor, Jadavpur University, Kolkata, India Kishorjit Nongmeikapam, Asst. Professor, MIT, Manipur University, Imphal, India Dipankar Das, Asst. Professor, NIT Meghalaya, India
13:00 - 14:00	Lunch
14:00 - 17:30	<b>Workshop 1:</b> Contd ...

Workshop 2 (Half day)	Hall II
14:00 - 17:30	<b>Workshop 2:</b> <b>Workshop on Linguistics Olympiad and Popularizing Linguistics in Schools (LOPLingS)</b> Monojit Choudhury, Microsoft Research Lab India, Bangalore Avinash Pandey, Head, Panini Linguistics Olympiad India Program & University of Mumbai, Mumbai

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**Main Conference**

**Tentative Technical Programme Schedule**

**Day 2: Thursday, December 19**

08:00 - 09:00	<b>Registration</b>
09:00 - 09:30	<b>Inaugural Session</b>
09:30 - 10:30	<b>Keynote Lecture 1: Knowledge-Intensive Structural NLP in the Era of Big Data</b> <i>Sadao Kurohashi, Kyoto University, Japan</i>
10:30 - 11:00	<b>Tea</b>
11:00 - 13:00	<b>Technical Session I: MT</b>
	<b>Fuzzy Match Score and Translation Memory Match: A Linguistic Insight</b> <i>Sandipan Dandapat, IIT Guwahati, Shakuntala Mahanta, IIT Guwahati, Sibansu Mukhopadhyay,SNLTR</i>
	<b>Word Sense Disambiguation in Bengali applied to Bengali-Hindi Machine Translation</b> <i>Ayan Das, Sudeshna Sarkar, IIT Kharagpur</i>
	<b>Comparison of SMT and RBMT, The Requirement of Hybridization for Marathi - Hindi MT</b> <i>Sreelekha S, Raj Dabre and Pushpak Bhattacharyya, IIT Bombay</i>
	<b>Complexity Guided Active Learning for Bangla Grammar Correction</b> <i>Bibekananda Kundu, CDAC Kolkata, Sutanu Chakraborti, IIT Madras, Sanjay Kumar Choudhury,CDAC Kolkata</i>
13:00 - 14:00	<b>Lunch</b>
14:00 - 15:00	<b>Keynote Lecture 2: Challenges in Social Media Analysis: Text Analysis and Beyond</b> <i>Vasudeva Varma, IIIT Hyderabad, India</i>
15:00 - 15:30	<b>Tea</b>
15:00 - 16:30	<b>Poster Sessions (List of poster papers are given below) and Demonstrations</b>

16:30 – 18:00	<b>Technical Session II</b> Statistical Methods	<b>Technical Session III</b> Morphology
	<p><b>Semi-supervised Relation Extraction using EM Algorithm</b>  <i>Sachin Pawar, Pushpak Bhattacharyya, IIT Bombay, Girish Palshikar, TCS Limited</i></p> <p><b>Automatic Identification of Concepts and Conceptual relations from Patents Using Machine Learning Methods</b>  <i>Sobha Lalitha Devi, Pattabhi R K Rao, AU-KBC Research Centre, Paolo Rosso, Polytechnic University Valencia</i></p> <p><b>CRF-based Clinical Named Entity Recognition using clinical NLP Features</b>  <i>Parth Pathak, Raxit Goswami, Pinal Patel, Gautam Joshi and Amrish Patel, Easy Data Intelligence, India</i></p>	<p><b>Generation of Sanskrit Compounds</b>  <i>Pavankumar Satuluri, Amba Kulkarni, University of Hyderabad</i></p> <p><b>Evaluating a Machine Learning Approach to Sinhala Morphological Analysis</b>  <i>Viraj Welgama, Ruvan Weerasinghe, Mahesan Niranjana, University of Southampton</i></p> <p><b>A Way to Break Them All: A Compound Word Analyzer for Marathi</b>  <i>Raj Dabre, Archana Amberkar and Pushpak Bhattacharyya, IIT Bombay</i></p>
18:00 – 19:00	<b>NLP AI Meeting</b>	
19:00 – 20:00	<b>Cultural Programme</b>	
20:00 onwards	<b>Dinner</b>	

Day 3: Friday, December 20

09:30 - 10:30	<b>Computational Advertising: An Emerging Field for Computer Science Research</b> A Kumaran, Microsoft Research Lab India, Bangalore	
10:30 - 11:00	Tea	
11:00 - 13:00	<b>Technical Session IV</b> Sentiment Analysis	<b>Technical Session V</b> Speech
	<p><b>An Empirical Investigation of Like-Mindedness of Topically Related Social Communities on Microblogging Platforms</b> Kuntal Dey, IBM India Research Lab Sivaji Bandyopadhyay, Jadavpur University</p> <p><b>A Hybrid Approach for Twitter Sentiment Analysis</b> Namita Mittal, Basant Agarwal, Saurabh Agarwal, Shubham Agarwal and Promod Gupta, MNIT Jaipur</p> <p><b>Feeling may separate Two Authors: Incorporating Sentiment in Authorship Identification Task</b> Braja Gopal Patra, Jadavpur University Somnath Banerjee, Jadavpur University Dipankar Das, NIT Meghalaya Sivaji Bandyopadhyay, Jadavpur University</p> <p><b>A Novel Approach to Aggregation Processing in Natural Language Interfaces to Databases</b> Abhijeet Gupta, Rajeev Sangal, IIIT Hyderabad</p>	<p><b>Automatic Phonetic and Prosodic Transcription for Bengali and Oriya Speech Documents</b> R Ravi Kiran, Sunil Kumar, Manjunath Ke, Apoorv Chaturvedi, Biswajit Satapathy, IIT Kharagpur, Debadatta Pati, Balasore College of Engineering and Technology K. Sreenivasa Rao, IIT Kharagpur</p> <p><b>Developing a Speech Corpus for Sinhala Speech Recognition</b> Thilini Nadungodage Viraj Welgama, Ruvan Weerasinghe, University of Colombo School of Computing</p> <p><b>Oral Reading Prosody Improvements Using a Reading Tutor for ESL Students</b> Kalika Bali, Microsoft Research India</p> <p><b>A Min-Max Syllable Compaction Method for Tamil Text-To-Speech</b> Elanchezhian Karuppasamy, Tamil Selvi Elango, Suriyah Murugesan, Karthikeyan Sethuraman and Madhankarky Vairamuthu, Karky Research Foundation, India</p>
13:00 - 14:00	Lunch	
14:00 - 16:30	<b>Technical Session VI</b> Corpora Annotation/Parsing	<b>Technical Session VII</b> NLP Tools Contest
	<p><b>Geeta: Gold Standard Annotated Data, Analysis and its Application</b> Preeti Shukla, Amba Kulkarni, University of Hyderabad, Devanand Shukla, MSRVP, Ujjain</p> <p><b>Design of a lean interface for Sanskrit corpus annotation</b> Gérard Huet, INRIA Paris Rocquencourt Pawan Goyal, IIT Kharagpur</p>	14:00 - 15:15:

	<p><b>Field Trial, Evaluation and Error Correction methods of an IVR based Commodity Price Retrieval System</b> Soma Khan, Joyanta Basu, Milton S. Bepari and Rajib Roy, CDAC Kolkata</p> <p><b>Discourse Level Tagger for Mahābhāṣya - a Sanskrit Commentary of Pāṇini's Grammar</b> Monali Das, Amba Kulkarni, University of Hyderabad</p> <p><b>Dealing with Hinglish Named Entities in English Corpora</b> Renu Balyan, CDAC Noida</p>	
		<p><b>Technical Session VIII</b> <b>Student Paper Competiton</b></p>
		<p>15:30 – 16:30</p>
16:30 – 17:00		Tea
17:00 – 17:30		Closing Session

## List of Poster Session Papers:

### **Na: Beyond Negation**

Anil Thakur and Sanjukta Ghosh, Banaras Hindu University

### **Enhancing ASR by MT using Semantic information from Hindi WordNet**

Aniruddha Tammewar, IIIT-H, Karan Singla, IIIT-H, Srinivas Bangalore, AT&T USA

Michael Carl, Copenhagen Business School, Denmark

### **Feature Extraction Methods for Semantic Orientation based Approaches to Sentiment analysis**

Basant Agarwal, MNIT Jaipur, Namita Mittal, MNIT Jaipur, Vijay Kumar Sharma, MNIT Jaipur, Erik Cambria, National University of Singapore

### **Analysis of Language Identification Performance based on Gender and Hierarchical Grouping Approaches**

Bellamkonda Bhaskar, Dipanjan Nandi and K. Sreenivasa Rao, IIT Kharagpur

### **A Trigger Word Mining Method Based on Activation Force**

Chunyun Zhang, Weiran Xu, Dai Zhang and Jun Guo, Beijing University of Post and Telecommunications

### **Efficient ASR Resource Creation using SATT: Semi-Automatic Transcription**

Joyanta Basu, Milton S. Bepari, Sushmita Nandi, Soma Khan and Rajib Roy, CDAC Kolkata

### **Expansion of Single-word Weak Queries Using Wikipedia as External Data Resource**

Kamalika Sanyal, IIIT Bhubaneswar, Nikhil Priyatam, IIIT Hyderabad

### **Design of a Scalable Natural Language Report Management System**

Manu Madhavan, Robert Jesuraj K and Reghu Raj P C, Govt. Engineering College, Palakkad, Kerala

**Text Summarization with Semantics Information**

*Namita Mittal, Basant Agarwal, Nikita Vijay and Adarsh Gupta, MNIT Jaipur*

**A frame for restricted domain question answering system**

*Payal Biswas, Aditi Sharan and Nidhi Malik, JNU, Delhi*

**A Multi-Phase approach to retrieve spam free web pages**

*Rajashree Sutrawe, Arjun College of Technology and Sciences, Hyderabad, Sree Vani M, MGIT Hyderabad, Yaswanth Babu Orugunti, TCS*

**Impact of Linguistically Motivated Shallow Phrases in PB-SMT**

*Santanu Pal, Jadavpur University, Mohammed Hasanuzzaman, Université de Caen Basse Normandie, France, Sudip Kumar Naskar, Sivaji Bandyopadhyay, Jadavpur University*

**Text Entailment in Semantic Web World**

*Shubham Gautam and Pushpak Bhattacharyya, IIT Bombay*

**Hunting Elusive English in Hinglish and Benglish Text: Unfolding Challenges and Remedies**

*Subhash Chandra, Bibekananda Kundu and Sanjay Kumar Choudhury, CDAC Kolkata*

**A Machine Learning Approach for the Identification of Bengali Noun-Noun Compounds**

*Vivekananda Gayen, Central Calcutta Polytechnic, Kamal Sarkar, Jadavpur University*