

Publications

Book Chapter

- Natural Language Processing, in A First Course in Artificial Intelligence, by Prof. Deepak Khemani (released 2013)

Conferences

- Chandra Mouli S., Chakraborti, S., Making the Most of Preference Feedback by Modeling Feature Dependencies, accepted as a short paper in RecSys 2015.
- Hingmire, S., Chakraborti, S., Topic Labeled Text Classification: A Weakly Supervised Approach, Proc of SIGIR 2014, pp. 385-394
- Hingmire, S., Chakraborti, S., Sprinkling Topics for Weakly Supervised Text Classification, short paper in Proc. of ACL 2014, pp. 55-60
- Swapnil Hingmire, Sandeep Chougule, Girish K. Palshikar, Sutanu Chakraborti: Document Classification by Topic Labelling, short paper in Proc. of SIGIR 2013, pp. 877-880
- Deepak P, Sutanu Chakraborti, Deepak Khemani: Query Suggestions for Textual Problem Solution Repositories. ECIR 2013: 569-581
- Saurabh Gupta, Sutanu Chakraborti: Flexible and Dynamic Compromises for Effective Recommendations, Proceedings of the 22nd ACM Conference on Information and Knowledge Management (CIKM 2013), Burlingame, CA, USA, October 27 - November 1, 2013. (Short paper), pp. 1909-1912
- Deepak P, Sutanu Chakraborti, Deepak Khemani: More or better: on trade-offs in compacting textual problem solution repositories. Proceedings of CIKM 2011: pp. 2321-2324
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- Dileep, K.V.S., Chakraborti, S. (2014). Estimating Case Base Complexity Using Fractal Dimension. Proc. of ICCBR 2014, (pp. 230-244)
- Shekhar, S., Chakraborti, S., Khemani, D., Linking Cases Up: An Extension to the Case Retrieval Network. Proc. of ICCBR 2014: 450-464
- Vasudevan, S. R., Chakraborti, S.: Enriching Case Descriptions Using Trails in Conversational Recommenders. Proc. of ICCBR 2014: 480-494

- Jayanthi, K., Chakraborti, S., Massie, S.: Introspective Knowledge Revision in Textual Case-Based Reasoning. ICCBR 2010: 171-185 (**Shortlisted for Best Paper Award – adjudged one of the top 6 papers in the conference**)
- Pranay Kumar Venkata Sowdaboina, Sutanu Chakraborti and Sripada Somayajulu G, “Learning to summarize time series data” accepted as full paper for publication in Proceedings of CICLing 2014, Springer (journal publication option)
- Saurabh Gupta, Sutanu Chakraborti: UtilSim: Iteratively Helping Users Discover their Preferences, accepted for publication in Proceedings of EC-Web 2013, pp. 113-124
- Debarun Kar, Anand Kumar, Sutanu Chakraborti, Balaraman Ravindran: iCaseViz: Learning Case Similarities through Interaction with a Case Base Visualizer. ICCBR 2013: 203-217
- Bibekananda Kundu, Sutanu Chakraborti, Sanjay Kumar Choudhury: Combining Confidence Score and Mal-rule Filters for Automatic Creation of Bangla Error Corpus: Grammar Checker Perspective. CICLing (2) 2012: 462-477, Springer (journal publication option)
- Debarun Kar, Sutanu Chakraborti, Balaraman Ravindran: Feature Weighting and Confidence Based Prediction for Case Based Reasoning Systems. ICCBR 2012: 211-225
- Anil Patelia, Sutanu Chakraborti, Nirmalie Wiratunga: Selective Integration of Background Knowledge in TCBR Systems. ICCBR 2011: 196-21
- M. A. Raghunandan, Sutanu Chakraborti, Deepak Khemani: Robust Measures of Complexity in TCBR. ICCBR 2009: 270-284
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- M. A. Raghunandan, Nirmalie Wiratunga, Sutanu Chakraborti, Stewart Massie, Deepak Khemani: Evaluation Measures for TCBR Systems Proceedings of the European Conference on Case Based Reasoning (ECCBR 2008) pp. 444-458, Springer
- Bibekananda Kundu, Sutanu Chakraborti and Sanjay Kumar Choudhury: Complexity Guided Active Learning for Bangla Grammar Correction, Accepted as full paper in International Conference on Natural Language Processing (ICON 2013)
- Bibekananda Kundu, Sutanu Chakraborti, Sanjay Kumar Choudhury: NLG Approach for Bangla Grammatical Error Correction. In Proceeding of 9th International Conference of Natural Language Processing (ICON 2011), Macmillan Publisher, pp.225-230, (2011).
- Deepak P, Sutanu Chakraborti: Finding Relevant Tweets. WAIM 2012: pp. 228-240

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- Nitin Gupta, Sukhendu Das, Sutanu Chakraborti, Extracting information from a query image, for content based image retrieval. Proc. of ICAPR 2015: 1-6
- Nitin Gupta, Sukhendu Das, Sutanu Chakraborti: Hierarchy of visual features for object recognition. ICIIP 2014: 5901-5905
- Nitin Gupta, Sukhendu Das, Sutanu Chakraborti, Revealing What to Extract from Where, for Object-Centric Content Based Image Retrieval (CBIR). ICVGIP 2014: 57:1-57:8
- Eshwar Chandrasekharan and Sutanu Chakraborti, Footprints on Silicon: Explorations in Gathering Autobiographical Content, accepted in CICLING 2015.

Workshops

- Ditty Mathew, Dhivya Eswaran and Sutanu Chakraborti, Towards Creating Pedagogic Views from Encyclopedic Resources, in Proc. of The 10th Workshop on Innovative Use of NLP for Building Educational Applications, co-hosted with NAACL 2015.
- Skanda Raj, Sutanu Chakraborti, Mining User Trails in Critiquing Based Recommenders, in Proceedings of 5th Workshop on Social Recommender Systems (SRS 2014), co-hosted with WWW 2014.
- Bhautik Patel, Ashish V Tendulkar, and Sutanu Chakraborti, Towards Selective User Specific Query Expansion. Proceedings of User Engagement Optimization Workshop, International Conference on Information and Knowledge Management. ACM, San Francisco, CA, USA, 2013.
- Saurabh Gupta, Sutanu Chakraborti: Evaluating Conversational Recommender Systems based on Preference Based Feedback. Proceedings of BARS 2013 (a workshop of SIGIR 2013).
- Ashish Vijay Tendulkar, Sutanu Chakraborti : Parallels between Linguistics and Biology, Proceedings of BioNLP 2013 (a workshop of ACL 2013)
- Swapnil Hingmire, Sandeep Chougule, Girish K. Palshikar, Sutanu Chakraborti: "Almost unsupervised content filtering using topic models", Proc. of the Sixth Workshop on Analytics for Noisy Unstructured Text Data (AND 2012) (held in conjunction with COLING 2012)
- Nishaanth Shanmugasundaram, Sutanu Chakraborti : Question Routing in Collaborative Question Answering Systems, accepted in the Workshop of Case Based Reasoning in Social Web Applications (a workshop of ICCBR

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- Vasanth K. Rajendran, Sutanu Chakraborti, Stewart Massie: Modelling Documents as Cases: A CBR Perspective to IR, Proceedings of the 14th UKCBR Workshop Cambridge (co-hosted with BCS AI conference). (2009)
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- Sutanu Chakraborti: Memory Based Reasoning: A Dynamical Systems Perspective, Proceedings of the Workshop on Uncertainty, Knowledge Discovery and Similarity in CBR, Seattle (2009)
- K.V.S. Dileep, Sutanu Chakraborti: Towards Higher Order Complexity Measures for Text Classification, Proceedings of 1st Indian Workshop on Machine Learning 2013
- Mukras, R., Wiratunga, N., Lothian, R., Chakraborti, S., & Harper, D. (2007). Information Gain Feature Selection for Ordinal Text Classification using Probability Re-distribution. Proc. of IJCAI Textlink Workshop.
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Theses

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- Chakraborti, S. (2004). Integration of Knowledge Sources in Textual Case-Based Reasoning, M.S. (Research) Thesis, Indian Institute of Technology, Madras.