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Proceedings of the Workshop on Machine Translation and Parsing in Indian Languages (MTPIL-2012)
Dipti Misra Sharma, Prashanth Mannem, Joseph van Genabith, Sobha Lalitha Devi, Radhika Mamidi and Ranjani Parthasarathi (eds.)
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Preface

Indian Languages present taxing research challenges mostly attributed to their rich variation in morphology, heavy agglutination and relatively free word order. Most of the Indian languages are digitally under-resourced, and only limited linguistic analysis resources/tools exist for some languages. The objective of the workshop is to bring together MT and parsing researchers across the globe working on Indian languages to showcase their work and exploit the synergies to interconnect state-of-the-art Indian language MT and parsing research globally.

We received good response from researchers worldwide and based on reviews from our strong program committee 4 papers were accepted for oral presentation (long papers) and 9 papers for poster presentation (short papers). A wide range of languages including Hindi, Bengali, Tamil, Telugu, Urdu were covered in the accepted papers.

The workshop also hosted a dependency parsing shared task for Hindi. As part of the shared task, a part of the Hindi Treebank (HTB) containing gold standard morphological analyses, part-of-speech tags, chunks and dependency relations labeled in the computational Paninian framework was released. Evaluation was carried out over both gold standard and automatic parts of speech (also provided by us) for all the participating systems. Seven teams from both India and abroad participated in the shared task and submitted reports on their approaches.

We thank the members of program committee for their valuable support and cooperation for the workshop. We also thank them for giving detailed reviews to the authors. Finally, we thank the organizers of COLING 2012 for giving us the opportunity to organize this workshop.

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Josef Van Genabith
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Prashanth Mannem, LTRC, IIIT-Hyderabad
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09:30–10:30 Invited Talk
NLP in India: Past, Present and Future
Rajeev Sangal, IIIT-Hyderabad

10:30–11:00 Automatic Annotation of Genitives in Hindi Treebank
Nitesh Surtani and Soma Paul

11:00–11:30 Semantic Parsing of Tamil Sentences
Balaji Jagan, Geetha T V and Ranjani Parthasarathi

11:30–12:00 Tea break

Session 2

12:00–12:30 Tamil NER – Coping with Real Time Challenges
Malarkodi C.S, Pattabhi RK Rao and Sobha Lalitha Devi

12:30–13:00 Sublexical Translations for Low-Resource Language
Khan Md. Anwarus Salam, Yamada Setsuo and Nishino Tetsuro

13:00–13:10 Introducing Kashmiri Dependency Treebank
Shahid Mushtaq Bhat

Renu Balyan, Sudip Kumar Naskar, Antonio Toral and Niladri Chatterjee

13:20–13:30 An Approach to Discourse Parsing using Sangati and Rhetorical Structure Theory
Subalalitha C.N. and Ranjani Parthasarathi

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Lakshmi S, Vijay Sundar Ram R and Sobha Lalitha Devi

14:40–14:50  Disambiguation of pre/post positions in English – Malayalam Text Translation
Jayan V, Sunil R and Bhadran V K

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Akilandeswari A and Sobha Lalitha Devi

15:00–15:10  Morphological Processing for English-Tamil Statistical Machine Translation
Loganathan Ramasamy, Ondřej Bojar and Zdeněk Žabokrtský

15:10–15:20  Dative Case in Telugu: A Parsing Perspective
Umamaheshwar Rao Garapati, Rajyarama Koppaka and Srinivas Addanki

15:20–15:30  Evaluation of Two Bengali Dependency Parsers
Arjun Das, Arabinda Shee and Utpal Garain

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Daniel Zeman

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Alexander Volokh and Günter Neumann

17:35–17:45  A Three Stage Hybrid Parser for Hindi
Sanjay Chatterji, Arnad Dhar, Sudeshna Sarkar and Anupam Basu

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Naman Jain, Karon Singla, Aniruddha Tammewar and Sambhav Jain

17:55–18:05  Hindi Dependency Parsing using a combined model of Malt and MST
B. Venkata Seshu Kumari and Rajeswara Rao Ramisetty

18:05–18:15  Ensembling Various Dependency Parsers: Adopting Turbo Parser for Indian Languages
Puneeth Kukkadapu, Deepak Malladi and Aswarth Dara

Arjun Das, Arabinda Shee and Utpal Garain