

ICON 2020

**17th International Conference on Natural Language
Processing**

Proceedings of the System Demonstration

December 18 - 21, 2020
Indian Institute of Technology Patna, India

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Introduction

Welcome to the proceedings of the system demonstration session. This volume contains the papers of the system demonstrations presented at the 17th International Conference on Natural Language Processing, held virtually organized by AI-NLP-ML Group, IIT, Patna, on December 18 2020.

The system demonstrations program offers demonstrations of complete working NLP Systems. The system demonstration chair and the members of the program committee received 25 submissions, 18 of which were selected for inclusion in the program after reviewing by two members of the program committee.

I would like to thank the members of the program committee for their excellent job in reviewing the submissions and providing their support for the final decision.

Chairs

Vishal Goyal (Punjabi University, Patiala), Asif Ekbal (IIT Patna)

Program Committee:

Gurpreet Singh Lehal, Punjabi University Patiala, India
Sanjay Dwivedi, Babasaheb Bhimrao Ambedkar University, Lucknow, U.P, India
Amba Kulkarni, University of Hyderabad, Hyderabad, India.
Rajeev R R, ICFOSS, Trivandrum, India.
Neeraj Mogla, Facebook, USA.
Sanjeev Gupta, Google, Bangalore.

Additional Reviewers:

Aditi Sharan, Jawaharlal Nehru University, New Delhi, India
Sanjeev Sharma, DAV University, Jalandhar, India.
Gurpreet Singh Josan, Punjabi University Patiala, India.
Parminder Singh, Guru Nanak Dev Engineering College, Ludhiana, India
Basant Aggarwal, IIT, Kota.
Manish Shrivastava, IIT, Hyderabad.

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System Demonstration Program

Monday, December 21, 2020

+ 10:00 - 10:15 **Opening Remarks by Dr. Vishal Goyal**

+ 10:15 - 12:55 **Session I**

NLP Tools for Khasi, a low resource language

Medari Janai Tham

The Hindi to Dogri Machine Translation System

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Development of Hybrid Algorithm for Automatic Extraction of Multiword Expressions from Monolingual and Parallel Corpus of English and Punjabi

Kapil Dev Goyal and Vishal Goyal

+ 14:00 - 15:40 **Session 2**

Design and Implementation of Anaphora Resolution in Punjabi Language

Kawaljit Kaur, Vishal Goyal and Kamlesh Dutta

Punjabi to English Bidirectional NMT System

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A Sanskrit to Hindi Language Machine Translator using Rule Based Method

Prateek Agrawal and Vishu Madaan

+ 15:40 - 16:00 **Vote of Thanks by Dr. Asif Ekbal**