

## Preface

This is the 16th edition of the Forum for Information Retrieval Evaluation (FIRE 2024). Continuing the tradition of the last 15 years, the evaluation tracks at FIRE have expanded to encompass new domains and new languages. With ten (10) evaluation tracks and participation from over 50 teams, this is one of the biggest FIRE workshops to date.

This year FIRE realized an interesting mix of tasks from IR/NLP viz. Information Retrieval in Software Engineering (IRSE), sentiment analysis, summarization on different kinds of datasets like social media, legal text, etc. in different languages including English, Dravidian, etc. Hate Speech and Offensive Content Identification in Indo-European Languages (HASOC), focused on identifying various categories of hate speech from social media posts. Indian Language Summarization (ILSUM) offered a test bed for summarization in Hindi, Gujarati and English. Information Retrieval in Software Engineering (IRSE) offered a task on the classification of source code. Sarcasm Identification of Dravidian Languages (Malayalam and Tamil) in DravidianCodeMix 2024 (DravidianCodeMix) provided a task to identify sarcasm and sentiment polarity of the code-mixed dataset of comments/posts in Tamil-English and Malayalam-English collected from social media. CoLI-Tunglish track was dedicated on Tulu language identification in Code-mixed Tulu texts last year and they added Kannada, Tamil, Malayalam in 2024. These tracks were continued from last year with similar to slightly modified problem statements.

FIRE 2024 saw the induction of many new and interesting tracks. The Code-Mixed Information Retrieval (CMIR) track offered the IR task Bengali-English code-mixed language. The CryptOQA track presented a platform to analyze the opinions on cryptocurrencies. The SqCLIR track laid a platform for the evaluation of retrieval systems that receive a spoken query as input and search for answers in a document corpus. The PIR task prompted personalized Information Retrieval. To mark industry participation, TCS Research proposed an interesting track on the identification of GI tract cancers.

The tracks, in general, received good and uniform participation from many research groups. Each track had a dedicated Program Committee (PC member names and affiliations are as below).

We express our gratitude to all the track organizers for their efforts in organizing these tracks, as well as to the participants for their enthusiastic participation. A special thanks to our sponsor 'ACM SIGIR Special Interest Group on Information Retrieval' for the continued support.

Kripabandhu Ghosh  
Thomas Mandl  
Prasenjit Majumder  
Debasis Ganguly

## **Trackwise PC members**

### **Indian Language Summarization (ILSUM)**

Dr. Parth Mehta, Parmonic, USA  
Dr. Sandip Modha, Università degli Studi di Milano Bicocca, Italy  
Dr. Debasis Ganguly, University of Glasgow, Glasgow, UK  
Dr. Shashirekha HL, Mangalore University, India  
Shrey Satapara, Indian Institute Of Technology, Hyderabad, India  
Asha Hegde, Mangalore University, India

### **Code-Mixed Information Retrieval (CMIR)**

Supriya Chanda :- IIT (BHU) Varanasi, India  
Dr. Sukomal Pal :- IIT (BHU) Varanasi, India

### **Hate Speech and Offensive Content Identification in English and Indo-Aryan Languages (HASOC)**

Dr. Thomas Mandl, University of Hildesheim, Germany  
Dr. Sandip Modha, University of Milano-Bicocca, Italy & LDRP-ITR, Gandhinagar, India  
Shrey Satapara, IIT Hyderabad, Hyderabad , India  
Dr. Marcos Zampieri, George Mason University, USA  
Dr. Prasenjit majumder, DA-IICT, Gandhinagar, India  
Koyel Ghosh, Central Institute of Technology, Kokrajhar & CVPRU, ISI Kolkata, India  
Nishat Raihan, George Mason University, USA  
Tanishka Gaur, LDRP-ITR, Gandhinagar, India  
Yaashu Dave, LDRP-ITR, Gandhinagar, India  
Dhvanit Shah, PDEU, Gandhinagar, India

### **Information Retrieval in Software Engineering (IRSE)**

Dr. Srijoni Majumdar, University of Leeds, Leeds, UK  
Dr. Soumen Paul, Indian Institute Of Technology Kharagpur, Kharagpur, India  
Dr. Lisa Sarkar, Indian Institute Of Technology Kharagpur, Kharagpur, India  
Dr. Debasis Ganguly, University of Glasgow, Glasgow, UK  
Dr. Debarshi Sanyal, Indian Association for the Cultivation of Science Kolkata, India  
Raj Shah, Indian Institute Of Technology Goa, Goa, India  
Abhinav Sharma, University of Leeds, Leeds, UK

### **Sarcasm Identification of Dravidian Languages Tamil & Malayalam (DravidianCodeMix)**

Dr. Bharathi Raja Chakravarthi, University of Galway, Ireland  
Dr. Sripriya N, SSN College of Engineering, Tamil Nadu, India  
Dr. Bharathi B, SSN College of Engineering, Tamil Nadu, India  
Nandhini K, Central University of Tamil Nadu, Tamil Nadu, India  
Dr. Subalalitha Chinnaudayar Navaneethakrishnan, Department Of Computer Science & Engineering, SRM Institute Of Science And Technology, Tamil Nadu, India  
Dr. Thenmozhi D, SSN College of Engineering, Tamil Nadu, India  
Rahul Ponnusamy, University of Galway, Ireland  
Prasanna Kumar Kumaresan, University of Galway, Ireland

### **CoLI-Dravidian: Word-level Code-Mixed Language Identification in Dravidian Languages**

Dr. Hosahalli Lakshmaiah Shashirekha, Mangalore University, India  
Dr. Hamada A. Nayel, Benha University, Egypt  
Asha Hegde, Mangalore University, India  
Fazlourrahman Balouchzahi, Instituto Politécnico Nacional (IPN), Mexico  
Sabur Butt, Instituto Politécnico Nacional (IPN), Mexico  
Sharal Coelho, Mangalore University, India

### **Personalized Information Retrieval (PIR)**

Dr. Gabriella Pasi, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Dr. Marco Viviani, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Dr. Alessandro Raganato, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Dr. Sandip Modha, University of Milano-Bicocca, Italy & LDRP-ITR, Gandhinagar, India  
Georgios Peikos, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Gian Carlo Milanese, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Pranav Kasela, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy  
Marco Braga, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy

Effrosyni Sokli, Department of Informatics, Systems, and Communication (DISCo), University of Milano-Bicocca, Italy

**CryptOQA: Opinion Extraction and Question Answering from Cryptocurrency-Related Tweets and Reddit posts**

Dr. Koustav Rudra, IIT Kharagpur, India  
Dr. Kripabandhu Ghosh, IISER Kolkata, India  
Gourav Sen, IIT Jodhpur, India  
Sougata Sarkar, Deloitte, India  
Subham Kumar, IIT Kharagpur, India

**Spoken-Query Cross-Lingual Information Retrieval for the Indic Languages (SqCLIR)**

Bhargav Dave, DA-IICT, India  
Dr. Debasis Ganguly, University of Glasgow, Glasgow, UK  
Dr. Evangelos Kanoulas, University of Amsterdam, Netherlands  
Dr. Prasenjit majumder, DA-IICT, Gandhinagar, India

**Conversational System for Differential Diagnosis of GI Cancer**

Dr. Manjira Sinha, TCS Research, Kolkata, India  
Dr. Rajat Pal, TCS Research, Kolkata, India  
Dr. Tirthankar Dasgupta, TCS Research, Kolkata, India