Special Session on

Large Language Models in Exploration

in conjunction with

23rd International Conference on Hybrid Intelligent Systems (HIS 2023)

December 12-14, 2023

Website: **http://www.mirlabs.org/his23**

Hybrid Mode – Online & Offline

Onsite Venues: **http://mirlabs.org/his23/venue2.php**

Objectives and Scope

This special session aims to examine the revolutionary developments and ramifications of large language models (LLMs) in several research and innovation domains. Recent advances in LLMs, like GPT-3.5, have completely changed how we create, interpret, and comprehend natural language, opening up intriguing new possibilities for research, business, and society in general. This session will examine LLMs' current uses, difficulties, and possible future directions, demonstrating how they might support and improve the sessions featuring reviewed material from the leading conference.

Due to their capacity to produce writing that resembles that of a person, comprehend complicated linguistic patterns, and carry out a variety of tasks related to natural language processing, big language models have attracted much interest in recent years. Massive training data sets and cutting-edge deep learning architectures have allowed LLMs to outperform earlier benchmarks in tasks including sentiment analysis, question-answering, machine translation, and question-answering. Additionally, they have the potential to advance cutting-edge study and innovation in a variety of fields.

Subtopics
The topics include, but are not limited to:

- LLMs for data analysis, information retrieval, and knowledge extraction
- LLMs for natural language interpretation and creation
- LLMs in educational and online learning settings
- LLMs for opinion mining and sentiment analysis
- Virtual assistants and chatbots Using LLMs
- LLMs for content regulation and social media analysis
- LLMs in business and financial applications
- LLMs for user experience and human-computer interaction
- LLMs for humanitarian and social purposes

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (https://www.springer.com/series/15179)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Paper maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at: https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324
- Submission Link: http://www.mirlabs.org/his23/submission.php

Important Dates

Paper submission due: **September 30, 2023**
Notification of paper acceptance: **October 31, 2023**
Registration and Final manuscript due: **November 10, 2023**
Conference Date: **December 13-15, 2023**

Special Session Chair(s)

- **Dr. R. Elakkiya,** Birla Institute of Technology & Science, Pilani (Dubai Campus)
- **Dr. Subramaniyaswamy V,** SASTRA Deemed University, India
- **Dr. Ketan Kotecha,** Symbiosis International (Deemed University), India

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