SPECIAL ISSUE ON Large Language Models (LLMs)

INTRODUCTION

Data Intelligence is pleased to announce a special issue on LLMs. Large Language Models (LLMs) have revolutionized Natural Language Processing (NLP) and have become an important building block for various applications such as machine translation, text classification, question answering, and text generation. Among the most widely used LLMs, ChatGPT is one of the most popular conversational models that have demonstrated impressive performance in generating human-like responses in various applications, including customer service, language learning, and chatbots.

This call for papers invites submissions on the latest research in LLMs and ChatGPT. It aims to explore the capabilities and potential of LLMs, as well as its challenges, limitations, and ethical implications. We welcome submissions of original research, review articles, and case studies that cover, but are not limited to, the following topics:

- Theoretical aspects of LLMs and their applications
- Evaluation and benchmarking of LLMs
- Optimization techniques for LLM training and inference
- Evaluation methods for LLMs
- Interpreting and explaining LLMs
- Architectures and optimization techniques for LLMs
- Augmented LLMs (i.e., reasoning, tools, act)
- Applications of LLMs in various fields such as healthcare, finance, education, and entertainment
- Integration of LLMs with other AI technologies such as computer vision and speech recognition
- Novel uses of LLMs for data intelligence and knowledge discovery
- Ethical and social implications of LLMs
Submission Guidelines
Manuscripts should be original, unpublished work, and not under consideration for publication elsewhere (publications published as preprint are acceptable). All manuscripts will undergo a rigorous peer-review process. The manuscript should be prepared according to the journal's guidelines, which can be found on the Data Intelligence website.

Important Dates
Manuscript submission deadline: May 30, 2023
Acceptance notification: August 30, 2023
Final manuscript due: October 30, 2023
Publication: Immediately published online once upon the manuscript is accepted

Guest Editors:
Prof. Dr. Haofen Wang (Tongji University, China; E-mail: Carter.whfcarter@gmail.com)
Prof. Dr. Haofen Wang has long served as Chief Technology Officer in a firstline artificial intelligence company and has rich experience in AI R&D management. He is one of the founders of OpenKG, the world's largest Chinese open knowledge graph alliance. He is responsible for participating in a number of national and ministerial AI-related projects, and has published more than 120 high-level papers in the AI field, which have been cited more than 2,900 times and the H-Index has reached 26. He built the world's first interactive virtual idol—”Amber-Xuyan”; the intelligent customer service robot he built has served more than 1 billion users. Currently, he is the Deputy Director of the Terminology Committee of China Computer Society, the Deputy Secretary General of the Language and Knowledge Computing Committee of Chinese Information Society and research professor in College of Design Innovation, Tongji University.

Dr. Jie Bao (Memect, China; E-mail: baojie@memect.co)
Dr. Bao Jie, co-founder of Memect. Dr. Bao received his Ph.D degree from Iowa State University and then worked as a postdoctoral fellow at Rensselaer Polytechnic Institute (RPI) and a visiting researcher at the Distributed Information Group (DIG) of MIT. He then worked as a researcher at Samsung US R&D Center. He was a member of the W3C OWL (Web Ontology Language) working group and participated in the writing
of the OWL 2 standard. He now serves as the chair of the Financial KG working group of Language and Knowledge Computing SIG of Chinese Information Processing Society of China (CIPS), member of the W3C Advisory Committee, co-founder of the Chinese Open Knowledge Graph Alliance (OpenKG), and member of the Editorial Board of Data Intelligence.

**Prof. Dr. Huaping Zhang** (Beijing Institute of Technology, China; E-mail: kevinzhang@bit.edu.cn)

Dr. Kevin (or Hua-Ping) Zhang is Ph.D supervisor from Beijing Institute of Technology (BIT), and work as the director of NLPIR Lab. of Big Data Search and Mining in BIT. He is chief secretary of Board of Intelligence MulitiliLingual Information Processing (IMLIP), affiliated with Chinese Association for Artificial Intelligence (CAAI ) ; and Distinguished member of China Computer Federation (CCF). His research interests include Big Data search and mining, natural language process especially with Chinese language processing. As the team leader, he has been granted over 30 research projects by National Science Foundation of China, China Fundamental Research Plan, and Defense Technology Foundation. Dr. Zhang has published 5 books, over 100 papers. He developed Chinese lexical analysis system NLPIR/ICTCLAS, which was the most cited work in Chinese natural language processing domain (over 20,000 citations). He was awarded with the first prize of Qian Wei-Chang Chinese Information Science and Technology Award (top award in Chinese NLP field) in 2010, the Second Prize of Science and Technology Award from Xinjiang Government for Progress in Science and Technology in 2016, First Prize of Science and Technology Award from Xinjiang Government for Progress in Science and Technology in 2021 (the 2nd position), and the Second Prize of National Defense Science and Technology Award in 2022.

**Managing Editor:** Dr. Fenghong Liu (Data Intelligence, Chinese Academy of Sciences, China; E-mail: liufh@mail.las.ac.cn)

**SUBMISSION PROCEDURE:**
Authors interested in this special issue should submit their work to the journal’s manuscript tracking system at [https://mc03.manuscriptcentral.com/di](https://mc03.manuscriptcentral.com/di). Please do not forget to indicate in your cover letter that you are submitting to the "Special Issue on LLMs ". 
For further inquiries, please contact the managing editor Dr. Fenghong Liu at liufh@mail.las.ac.cn

***********************About Data Intelligence***********************

Data Intelligence, cosponsored by the National Science Library, the Chinese Academy of Sciences, and the China National Publications Import and Export (Group) Corporation, is an open-access, metadata-centric journal intended for data creators, curators, stewards, policymakers, and domain scientists as well as communities interested in sharing data. DI informs industry leaders, researchers, and scientists engaged in sharing and reusing data, metadata, knowledge bases, and data visualization tools. In addition to traditional articles addressing methodologies and/or resources, the journal also publishes “data articles” in the form of knowledge graphs, ontologies, and linked datasets. The Co-Editors-in-Chief of the journal is: Prof. Dr. Jim Hendler, Prof. Dr. Zhixiong Zhang, Prof. Dr. Ying Ding, and Prof. Dr. Guilin Qi.

Data Intelligence is indexed by ESCI\EI. Its recent Citescore is 5.3, ranking top 11% (27/247) of the Library and Information category, 27% (200/747) of Computer Science-Computer Science Applications category, 27% (95/353) of Computer Science-Information Systems category, and 34% of Computer Science-Artificial Intelligence category. Up to March, 2023, the journal has received 788 times of citations according to Web of Sciences with average 4.8 times per item. The estimated IF (impact factor) of 2022 is 3.63.

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