Invitation to 2024 China Conference on Knowledge Graph and Semantic Computing and International Joint Conference on Knowledge Graphs (CCKS-IJCKG 2024)

Dear _____,

The China Conference on Knowledge Graph and Semantic Computing (CCKS) is hosted by the Language and Knowledge Computing Professional Committee of the Chinese Information Processing Society of China. It originated from the Chinese Knowledge Graph Symposium (CKGS) and the Chinese Semantic Web and Web Science Conference (CSWS). In 2016, the two series were merged. CCKS 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023 were held in Beijing, Chengdu, Tianjin, Hangzhou, Nanchang, Guangzhou (online), Qinhuangdao and Shenyang, respectively. CCKS has become a core national academic conference in the fields of knowledge graph and semantic technology, bringing together researchers and developers in the fields of knowledge representation and reasoning, natural language understanding and knowledge acquisition, graph data management and graph computing, question answering, etc.

The 13th International Joint Conference on Knowledge Graphs (IJCKG 2024) is a premier academic forum on Knowledge Graphs. The mission of IJCKG 2024 is to bring together international researchers in the Knowledge Graph community and other related areas to present their innovative research results or novel applications of Knowledge Graphs. IJCKG has evolved from the Joint International Semantic Technology Conference (JIST): a joint event for disseminating research results regarding the Semantic Web, Knowledge Graphs, Linked Data, and AI on the Web.

The 18th China Conference on Knowledge Graph and Semantic Computing and The 13th International Joint Conference on Knowledge Graphs (CCKS-IJCKG 2024) will be jointly undertaken by Chongqing University and held in Chongqing from September 20th to 22nd, 2024.

Key topics that will be covered include:
– Knowledge Graph Enhanced Large Language Model
– Knowledge Representation and Reasoning
– Knowledge Graph Construction and Knowledge Integration
– Graph Database and Knowledge Management
– Machine Learning on Graphs
– Knowledge Retrieval and Information Retrieval
– Knowledge Graph and Large Language Model Applications
– Knowledge Graph Open Resources

Website： https://sigkg.cn/ccks-ijckg2024/en/
Time： 2024/9/20-2024/9/22
Location：Chongqing

Local：   Chongqing University

Register: https://sigkg.cn/ccks-ijckg2024/registration/

Note: Please pay the registration fee via RMB bank transfer or in RMB cash on-site.

Agenda

9/20	
08:30-09:30	【Tutorial】Collaborative Enhancement of Knowledge Graphs and Large Language Models（Yongrui Chen，Southeast University）
09:30-10:30	【Tutorial】Large Model Hallucinations and Knowledge Boundaries （Zhiliang Tian，National University of Defense Technology）
10:30-10:50	Tea Break
10:50-11:50	【Tutorial】Machine Minds and Large Language Models （Zhuang Chen，Tsinghua University）
11:50-14:00	Lunch
14:00-15:00	【Tutorial】Development and Implementation of Large Models in the News Industry（Feiyu Xiong，Shanghai Algorithm Innovation Research Institute）
15:00-16:00	【Tutorial】Knowledge Integration in the Era of Large Models（Zequn Sun，Nanjing University）
16:00-16:20	Tea Break
16:20-17:20	【Tutorial】Exploration of Tool Learning and Autonomous Agents with Large Models （Xin Cong，Tsinghua University）
19:00-21:00	【Meeting】Full Committee Meeting of the Chinese Information Processing Society of China's Language and Knowledge Computing Special Committee
9/21	
08:30-09:00	Opening Ceremony
09:00-09:50	【Keynote】What is next for Knowledge Graphs: Relevating the semantic Web vision（James Hendler，Rensselaer Polytechnic Institute, USA）
09:50-10:10	Tea Break
10:10-11:00	【Keynote】Geoscience Knowledge Graphs （Xinbing Wang，Shanghai Jiao Tong University）
11:00-11:30	【Cutting-edge Trends】Wenqiang Lei（Sichuan University）
11:30-12:00	【Cutting-edge Trends】Yixin Cao（Fudan University）
12:00-14:00	Lunch

14:00-17:40	Outstanding Paper Presentations	Evaluation Task Reports	Poster&Demo
18:30-20:00	Dinner Banquet		

9/22	
09:00-09:50	【Keynote】Latest Developments and Typical Industry Applications of the Xinghuo Large Model（Shijin Wang，iFLYTEK Research Institute）
09:50-10:40	【Keynote】Semantic Aware Machine Learning and Explanations for Knowledge Graphs（Claudia d'Amato，University of Bari, Italy）
10:40-11:00	Tea break
11:00-11:20	【Youth Forum】Neuro-Symbolic Programming for Explainable Complex Question Answering（Lei Hou，Tsinghua University）
11:20-11:40	【Youth Forum】Knowledge Graph Reasoning in the Era of Large Models（Tianxing Wu，Southeast University）
11:40-12:00	【Youth Forum】Content Safety Governance of Large Models Based on Knowledge Editing（Ningyu Zhang，Zhejiang University）
12:00-14:00	Lunch
14:00-17:40	Industrial Forum（一） Industrial Forum（二） Knowledge Graph Education Forum

Industrial Forum（一）	Exploration and practice of industrial application of knowledge graph-enhanced large model (GraphRAG) - a new paradigm for digital transformation in the life science industry（Gang Wu，Nanjing Kogi Data Technology Co., Ltd.）
	GLM-4 Model, Platform, and Applications（Zhixing Li，Zhipu AI ）
	Network Large Models: Innovations and Applications in the Telecommunications Field（Mingchuan Yang，China Telecom Research Institute）
	Practical Experience and Reflections on Financial Large Models in Investment Research Platforms（Cheng Tang，China Merchants Securities Co., Ltd.）
	Practice of Knowledge Graphs in RAG Applications（Nan Wang，Jina AI, Beijing）
Industrial Forum（二）	Applications of Large Models and Knowledge Graphs in the Aviation Field（Jie Bao，Beijing WenYin Interconnect Technology Co., Ltd.）
	ItemRAG for Rapid Operations and Precise Reasoning in E-commerce Intelligent Customer Service（Changliang Xu，Muyu Workshop / Hangzhou Institute for Advanced Study,UCAS）
	Application Paradigms of Knowledge Graph-Enhanced Large Models in Document Scenarios（Huanyong Liu，Qihoo 360 Artificial Intelligence Research Institute）
	Construction of Knowledge-Guided Professional Agents（Lei Liang，Ant Group）
	Training Optimization Methods and Application Practices of the Shanhai Large Model（Shengping Liu，Unisound AI Technology Co., Ltd.）
Knowledge Graph Education Forum	Knowledge Graph Curriculum Development（Huajun Chen，Zhejiang University）
	Empowering Smart Education with Knowledge Graphs（Yanghua Xiao，Fudan University）

	Curriculum Development of "Knowledge Engineering"（Xiaowang Zhang，Tianjin University）
	Development of New Teaching Materials for "Knowledge Engineering"（Xiang Zhao，National University of Defense Technology）
	Practical Platform Development for "Knowledge Graph"（Tianxing Wu，Southeast University）
17:50-18:10	Closing Ceremony/Awards Ceremony

We understand that your time is valuable, and we sincerely hope you can join us for this significant gathering. Your presence would not only benefit you but also contribute to making the conference a rewarding experience for all participants.

We look forward to your positive response and to welcoming you to CCKS-IJCKG 2024.

Warm regards,

Bin Xu, Bing Qin, Yannis Tzitzikas
General Chairs,
Zhicun Wang, Xianling Mao, Ming Liu, Pavlos Fafalios
PC chairs.

Signature: _____ *Bin Xu*