********************** KDBD -2021 CFP **********************

The 3rd International Workshop on Knowledge Discovery for Big Data (KDBD 2021)

http://ubinec.org/~kdbd2021

in conjunction with the

19th IEEE International Conference on Pervasive Intelligence and Computing (PICom 2021)

http://cyber-science.org/2021/picom/

August 23-26 2021, Calgary, Canada

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✧ INTRODUCTION

In the big data era, with the enrichment of data collection and description measures, a wide array of data in various formats are collected much easier than before. It is significant to discover the knowledge hidden in the mass by comprehensive understanding and learning to realize the data intelligence, which can help human in various dimensions, such as intelligent decisions and predictive services. However, the volume, heterogeneous, low-quality and multimodal characteristics of the collected data pose great challenges to the design of knowledge discovery methods. Therefore, this workshop aims to provide a forum to present the state-of-the-art advancements on knowledge discovery for big data, which include related surveys, algorithms, platforms, systems and applications.

✧ SCOPE AND TOPICS

- Acquisition, transmission, storage, index and visualization for big data
- Innovative methods for big data analytics
- Multimodal data fusion
- Cross-modal reasoning and retrieval
- Domain adaption and transfer learning
- Zero-shot and few-shot learning
- Deep learning and reinforcement learning
- Graph Learning and knowledge graphs

- Natural language processing
- Parallel, accelerated, and distributed algorithms and frameworks for big data
- Security, privacy and trust in big data
- Big data in Internet of Things
- Methods for academic, traffic, medical, financial, social media and judicial big data
- Other methods, models, architectures and applications related to big data

✧ IMPORTANT DATES

All accepted papers will be published by IEEE (IEEE-DL and EI indexed) in Conference Proceedings.
Selected papers will be invited to submit an extended version to Scientific Programming（SI: Scientific Programming for Multimodal Big Data） or Frontiers in Neurorobotics(SI: Privacy-preserving Deep Heterogeneous View Perception for Data Learning).

✧ PAPER SUBMISSION GUIDELINE

Papers should be prepared in IEEE CS format within 6 pages. IEEE formatting information: (link)

Authors are invited to submit their original research work using IEEE CS Proceedings format via PICOM 2021 EDAS (https://edas.info/N26908). Ps: Log on the system and choose the Track of *International Workshop on Knowledge Discovery for Big Data*.