KNOWLEDGE DISCOVERY AND DATA ANALYSISKDDA'2015
NOV 15, 2015 – NOV 18, 2015
ESI, ALGIERS (ALGERIA)

Call for Papers:

KDDA'2015 is an annual leading International Conference on Knowledge Discovery and Data Analysis. The purpose of the conference is to bring together researchers and actors from academia, industry, and government to advance the science, engineering, and technology in Data science in general.

The 1st KDDA'2015 will be held in Alger's, Algeria. This conference will be organized by the High School of Computer Science of Oued-Smar **(ESI, http://www.esi.dz).** The conference will include four invited talks and regular papers.

Paper submission details:

We invite submission of high-quality papers reporting original research on all aspects of Knowledge Discovery and Data Analysis. We especially encourage submissions that promote the advancement of KDDA as a scientific and engineering discipline and submissions

that bridge between different disciplines. All submitted papers will be judged based on their technical soundness, potential impact, rigor, significance, originality, repeatability, relevance, and clarity. Papers submitted to KDDA'2015 should be original work, not previously published in a peer reviewed conference or journal. Substantially similar versions of the paper submitted to KDDA'2015 should not be under review in another peer-reviewed conference or journal during the KDDA'2015 reviewing period.

Duplicate submissions are not allowed. Authors are expected to agree to the following terms: "I understand that the paper being submitted must not overlap substantially with any other paper that I am a co-author of and that is currently submitted elsewhere. Furthermore, previously published papers with any overlap are cited prominently in this submission."

Duplicate submissions will be rejected immediately without review.

Author information's:

Authors are welcome to submit original contributions on all aspects of Knowledge Discovery and Data Analysis, ranging from theoretical foundations to novel models and algorithms for data mining problems in science, business, medicine, and engineering.

Papers on new and emerging topics are also welcome, as are application-oriented papers that make innovative technical contributions to research.

As a rule, all the contributions will be peer-reviewed by three members of the Program Committee. All the accepted contributions will be published in the proceedings book of the conference. Authors are invited to electronically submit original research contributions or experience reports in English. The submitted manuscript should closely reflect the final paper as it will appear in the proceedings.

Formatting instructions:

Your paper should not exceed 12 pages including all text, figures, tables, and references, and be formatted to IEEE Computer Society Proceedings Manuscript Formatting Guidelines (https://www.ieee.org/conferences_events/conferences/publishing/templates.html). Only papers in PDF format will be accepted. Any submission that exceeds length limits or deviates from formatting requirements may be rejected without review. Only papers using the LaTeX typesetting system will be accepted. All submitted papers will be judged through triple-blind reviewing, where the identities of

the authors are withheld from the reviewers. As an author, you are required to make a good-faith effort to preserve the anonymity of your submission, while at the same time allowing the reader to fully grasp the context of related past work, including your own. Common sense and careful writing will go a long way towards preserving anonymity.

Please take the following steps when preparing your submission:

- Remove the names and affiliations of authors from the title page.

- Remove acknowledgment of identifying names and funding sources.

- Use care in naming your files. Source file names (e.g., "Alice-n-Bob.dvi") are often embedded in the final output as readily accessible comments.

- Use care in referring to related work, particularly your own. Do not omit references to provide anonymity, as this leaves the reviewer unable to grasp the context. Instead, reference your past work in the third person, just as you would any other piece of related work by another author.

Electronic submission:

The papers, in PDF format, must be submitted only electronically before the submission deadline (See Important dates). The submission site will be open from July 15, 2015. All abstracts, submissions and reviews are handled by the Easy Chair conference system **(http://www.easychair.org/).**

The accepted papers from this conference will be submitted for possible publication in several indexed special issues of prestigious international journals.

Distinguished papers, after further revisions, will be submitted for inclusion into a Special Issue of J.UCS journal **(http://www.jucs.org/)**. The aim of this special issue is to select and publish papers that provide new advances and address new problems and challenges in Knowledge Discovery and Data Analysis.

Areas of interest include, but are not limited to:

• Data mining foundations and theory

• Data mining algorithms (supervised, semi-supervised and unsupervised)

• Mining large-scale data

- Mining spatial and temporal data, text, web, graph, stream data, image, video, multimedia
- Applications of data mining: web, multimedia, finance, genomics, bioinformatics, social sciences and social networks
- Methods for analyzing scientific data
- Statistical techniques for big data
- Systems for large-scale data
- Big Data placement, scheduling, and optimization
- Techniques, processes, and methods for collecting and analyzing Big Data
- Parallel and distributed data mining (Cloud, MPI, Hadoop MapReduce)
- Foundational models for Big Data
- Algorithms and programming techniques for Big Data
- Big Data search and mining
- Data integration and indexing for data mining
- KDD methodology and process
- Security and privacy issues in data mining and Big Data
- Information Retrieval for digital libraries and scientific information portal

• Information Retrieval for scientific domains, e.g. social sciences, life sciences, etc.

• Query expansion and relevance feedback approaches

• Classification, categorization and clustering approaches

• Information extraction (including topic detection, entity and relation extraction)

• Recommendations based on explicit and implicit user feedback

Important dates:

• **Abstract registration due** : July 15, 2015

• **Submission due** : July 31, 2015

• **Author notification** : October 20, 2015

• **Camera-ready papers due** : November 2, 2015

• **Conference date** : November 15-18, 2015

Conference chairs:

Mouloud KOUDIL, ESI, Oued-Smar (Algeria)

Yahya SLIMANI, ISAMM, Université de Manouba (Tunisia)

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To be completed …

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