DM 4 OG

Workshop on Data Mining for Oil & Gas

http://dm4og.inesctec.pt

The Westin Galeria Houston, Texas, USA

Call for Papers

** SUBMISSION DEADLINE EXTENDED: January 5, 2017 **

The process of exploring and exploiting Oil and Gas (O&G) generates a lot of data that can bring more efficiency to the industry. Although there are several examples of research papers on data mining and soft computing applications in the O&G related sciences, the opportunities for using data mining techniques in the "digital oil-field" remain largely unexplored or uncharted. The significant challenges posed by this complex and economically vital field justify a meeting of data scientists that are willing to share their experience and knowledge.

Hosted at SIAM's International Conference on Data Mining (SDM 2017), this workshop aims at bringing together researchers and practitioners from data science, data mining, forecasting, geophysics, petrochemistry, marine and petroleum geology, applied mathematics, and other disciplines, to explore the utilization of data mining techniques to develop intelligent solutions for O&G related modeling and optimization problems.

The topics of interest include, but are not limited to:

- the accurate positioning of structures (salt and overthrust),
- the characterization of laminated sands and shales,
- prediction and evaluation of pressure in reservoirs,
- fault detection and classification,
- facies recognition,
- exploration in difficult areas,
- accurate depth imaging,
- fluid/permeability prediction,
- identification and classification of fractures,
- uncertainty quantification,
- environmental issues.

All submitted papers will go through a rigorous double-blind peer review process, and the workshop proceedings will be published in electronic format, with CEUR-WS (indexed by DBLP, as well as Scopus).

Full papers should have between 5 and 15 pages, including references. Only original papers, i.e., that have not been published in an earlier workshop or conference, will be accepted.

Extended abstracts (between 2 and 4 pages) are also accepted for work in progress, early projects, software demos, industrial applications, or any relevant issue more appropriately addressed in this format.

Accepted full papers will be given approximately 20 minutes for presentation, plus time for discussion. Selected extended abstracts will have approximately 10 minutes for presentation, plus time for discussion.

In order to produce the PDF, we provide a LaTex template, and an example with author guidelines, at http://dm4og.inesctec.pt/latex-template-and-sample/at_download/file.

The manuscripts must be submitted through the DM4OG EasyChair submissions site at https://easychair.org/conferences/?conf=dm4og.

Important Dates:

- Submission deadline: December 23, 2016
- Extended Submission Deadline: January 5, 2017
- Author Notification: January 25, 2017
- SDM Conference: April 27-29, 2017

SDM 2017 homepage: http://www.siam.org/meetings/sdm17/

Organizing Committee:

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