



During the last two decades, artificial intelligence (AI) and machine learning (ML) have become deeply embedded in and impacted many industries such as finance, retail, communications and oil & gas. Specifically, the oil & gas industry has experienced a digital transformation initiated by recent advancements in AI and ML. In the low commodity price environment, increasing efficiency, reducing cost, and maximizing asset value have become top priorities for many oil & gas companies. By gathering large volumes of information and translating them into actionable insights, AI & ML have enabled new opportunities and business models in the exploration & production (E&P) lifecycle for the industry. Current adoption of AI & ML in the E&P lifecycle finds its application in several areas including seismic processing and interpretation, reservoir characterization, drilling, completion, and production forecast.

This workshop will highlight new ideas that arose during the ongoing oil & gas digital transformation enabled by AI and ML. It will explore the challenges, opportunities, and trends of AI and ML adoption in the E&P business.

Specialists from oil & gas and technology companies plus researchers from universities and institutions will come together to exchange new ideas related to the latest adoption of AI & ML in the E&P business. Case studies and active panel discussions will enable participants to set up new industry benchmarks.

We look forward to your participation and contribution.

IMPORTANT DATES

Abstract submission opens on 15 March 2018

Abstract submission closes on 30 May 2018

Registration opens on 11 June 2018

ABSTRACT SUBJECTS

We invite abstracts for the following topics - oral and posters:

- Applications in geophysics and geoscience
- Applications in reservoir characterization and performance prediction
- Applications in drilling and completion
- Applications in production surveillance and optimization
- Expectations and future trends

ORGANIZER:

SEG China

CO-ORGANIZERS:

Halliburton
SPE Beijing

DEADLINE — 30 MAY 2018

CALL FOR ABSTRACT SUBMISSION

Please submit the abstract to: china@seg.org

ABSTRACT FORMAT

- Max four-page.
- Must be sufficiently explanatory for the committee to evaluate.
- Must be on 8.5 x 11 inch paper size, typed in Roman font style, with 12 points size.
- Title must be one or two-line, at the top of the page, in bold font, with 12 points size.
- Authors must be listed in Roman-italic font, size 10 points, placed below the title.
- All text must stay one inch clear of the margins of the page.
- Submissions should be in Microsoft Word or Adobe Acrobat PDF format.



在过去的二十年中,人工智能(AI)和机器学习(ML)已经深深嵌入并影响到金融、零售、通信和石油天然气等诸多行业。具体而言,石油和天然气行业经历了AI和ML近期发展所引发的数字化转型。在商品价格低的环境下,提高效率,降低成本,实现资产价值最大化已成为许多石油天然气公司的首要任务。通过收集大量信息并将这些信息转化为可行的方案,AI和ML为行业的勘探和开发(E&P)生命周期带来了新的机遇和商业模式。目前AI和ML在勘探和开发(E&P)生命周期中的应用包括地震处理和解释、油藏描述、钻井、完井和产量预测。

本次研讨会将重点介绍在实施AI和ML石油和天然气数字化转型过程中产生的新想法。它将探索在E&P业务中运用AI和ML的挑战,机遇和趋势。来自石油天然气和科技公司的专家以及来自大学和科研机构的研究人员将聚集一堂,就E&P业务中应用AI和ML的新方案进行交流。案例研究和小组讨论将有助于参与者建立新的行业基准。

我们期待您的参与。

重要日期:

投稿开始日期为2018年3月15日

投稿截止日期为2018年5月30日

注册开始日期为2018年6月11日

摘要提交主题

- 1、在地球物理和地球科学中的应用
- 2、在油藏描述和动态预测中的应用
- 3、在钻井和完井中的应用
- 4、在动态监测和生产优化中的应用
- 5、行业期望和未来趋势

主办单位:

SEG中国

协办单位:

哈里伯顿

SPE北京

投稿截止日期为2018年5月30日

稿件投递方式

请将稿件投递至china@seg.org

稿件格式要求

- 1、篇幅不超过4页(A4大小)
- 2、字体为Times New Roman, 字号12
- 3、标题加粗, 字号12
- 4、作者及单位斜体, 置于标题下方, 字号10
- 5、正文单倍行距
- 6、稿件需为Word或PDF格式



PRINT IN BLACK INK OR TYPE

Dr. Mr. Ms.

SEG ID# (if currently a member) _____

Name, Job Title _____

Company/Organization _____

Mailing Address _____

City & State _____

Postal Code _____

Country _____

Address listed: Business Home

Business Phone _____ Email: _____

Are you a student? Yes No

Subject _____ Presentation Type: Oral Poster Both

NOTE: The mechanical recording of any portion of the SEG workshop in any form (photographic, electronic, etc.) is strictly prohibited. Printed reference to the workshop presentations or discussions is not permitted without the consent of the parties involved. All participants are requested to omit public reference to the workshop proceedings in any published work or oral presentation. Only registrants are permitted to attend workshop sessions. Each participant agrees to these regulations when application is accepted, as indicated by his or her signature on this form.

Signature _____ Date _____

Please email abstract by **30 MAY 2018** to:

china@seg.org

PHONE: +86 10 58205048

TECHNICAL COMMITTEE:

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