



Machine learning (ML) is a sub-field of Artificial Intelligence (AI) that experienced rapid growth in the last ten years across diverse industries, including communications, financial services, security, transportation, etc. Applications of machine learning have produced dramatic results, enabling new opportunities and business models. Driving the adaptation of machine learning is the large volume and velocity of information, the application of deep learning techniques, and economic computing power. Applied to geoscience, these data-driven approaches are complementary tools for physical-based modeling, simulation, and inversion. Machine learning facilitates an understanding of complex relationships among a large and diverse set of variables, valuable for generating and validating models and answering scientific questions.

In summary, machine learning can enable higher quality decisions faster in the oil and gas industry, which will be essential given the long-term outlook for the industry. Geoscience datasets are among the largest volumes of data, possessing a wide range of properties with scales varying over many orders of magnitude. This workshop will discuss the challenges, opportunities, and trends related to the adoption of machine learning in geoscience research and industrial workflows. Professionals from academia, oil and gas, and technology will present applications and case studies, promote discussion, and propose practical solutions to take greater advantage of machine learning methods.

VENUE: Golden Tulip Hotel – Copacabana, Rio de Janeiro

IMPORTANT DATES

1 November 2017 – Call for abstracts OPENS

1 December 2017 – Early registration OPENS

30 January 2018 – Call for abstracts CLOSES

26 March 2018 – Early registration CLOSES

ABSTRACT SUBJECTS

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

- Applications to geophysics
- Case studies in geoscience
- Case studies in reservoir characterization and management
- Future trends

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DEADLINE — 30 January 2018

CALL FOR ABSTRACT SUBMISSION

Please upload the abstract here:

www.sgt.sbgf.org.br

or email: **eventos@sbgf.org.br**

ABSTRACT FORMAT

- Max two-page, one figure, and single column.
- 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 Adobe Acrobat PDF format.

CALL FOR ABSTRACTS



PRINT IN BLACK INK OR TYPE

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Are you a student? Yes No

NOTE: The mechanical recording of any portion of the 2018 SBGf/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 upload or email abstract by **30 JANUARY 2018** to:

www.sgt.sbgf.org.br or email **eventos@sbgf.org.br**

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Co-Organized by:

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