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IBM EXPERIENCE OF BIG DATA AND ANALYTICS IN O&G CHALLENGES

Artyom Semenikhin is a leader of Industrial Research team in IBM Science and Technology Center located in Moscow, Russia.

He focuses on application of Big Data analysis methods and cognitive technologies to address O&G challenges with data overflow. Industrial Research team authors several SPE / EAGE papers and patents of data analytics systems for O&G.

ABSTRACT

This presentation covers Russian and worldwide experience of IBM in Big Data and cognitive technologies application for technological challenges in oil and gas industry.

IBM vision is in creation of decision support systems which augment human intelligence rather than replace it. Cognitive technologies allow significantly extend human capabilities of efficient decision taking due to capabilities to process big amount of data received from different sources in very short time with a help of information technologies.

This is especially important in the context of upcoming massive Internet of Things deployment and general digitalization of the industry.

In order to survive in this ocean of data, companies will have to integrate tools of automatic data processing, predictive and prescriptive data analytics.