«THE END OF THE OIL ERA IS STILL FAR AWAY...»
(LE ‘PEAK OIL’ N’EST PLUS VRAIMENT D’ACTUALITÉ...)

Christophe de Margerie

SPE RUSSIAN PETROLEUM TECHNICAL CONFERENCE

26–28 October 2015
Moscow, Russia

CALL FOR PAPERS SUBMISSION
DEADLINE – 10 MARCH 2015
Dear Colleague,

We are pleased to invite you to participate in the SPE Russian Petroleum Technical Conference, to be held 26-28 October 2015 in Moscow, Russia. Traditionally, the programme committee chooses the motto that sets the tone of the conference. This year they have selected a quotation by Christophe de Margerie, “The end of the oil era is still far away...” (Le peak oil n’est plus vraiment d’actualité...).

It is no revelation to say that the time of “easy” oil and gas is over for all countries including Russia. The complexity of production increases every year and resource depletion becomes more prevalent for the industry. However, replacement of major hydrocarbon resources, or their complete elimination in the energy mix of today’s world is impossible. Oil and gas companies are actively exploring offshore, in remote and autonomous fields, in hard to recover reserves and searching for the new reserves. They also build partnerships to tackle the increasingly difficult challenges they have to face. To meet their objectives, companies require the most modern equipment, software, effective production techniques, and emerging technologies. The current industry demands are reflected in the list of categories for papers submission:

- Search of New Reserves. New in Direction Exploration
- Fast Tracking Field Development
- R&D and Innovations for Hydrocarbon Exploration and Production
- Advanced Equipment, Materials and Software
- Drilling Rigs and Specialized Equipment
- Oil and Gas Production Equipment and Technologies, etc.

The SPE Russian Petroleum Technical Conference welcomes experienced specialists, experts from oil and gas companies, and university researchers, as well as novice specialists and students. SPE has organized several events in conjunction with the conference for the next generation of leaders in our field: a Young Professional Session, a Regional Student Paper Contest, and an Energy4me workshop for teachers. We cordially invite you to take part in the conference, share your achievements and ideas, and present your paper in one or several technical categories. Detailed guidelines for the submission of paper proposals are included in this brochure.

We are looking forward to welcoming you at the SPE conference!

Pascal Dauboin, Total E&P Russie
Mikhail Chertenkov, LUKOIL-Engineering
Alexander Shandrygin, Russian Society of Subsoil Use Experts
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### OPPORTUNITIES FOR PAPER SUBMISSION

- **Advanced Equipment, Materials and Software for Oil and Gas Exploration and Production - Developments, Experience and Application in Russia**
  - OCTG, BHA and drill string components, casing accessories
  - Well logging and testing tools
  - Well completion and cementing systems
  - Pumping units for production
  - Usage of module sets for exploration and development of remote fields’
  - Systems of commodities’ collection and transportation from oil and gas fields that are remoted from infrastructure
  - Systems of production assurance based on alternative energy sources

- **Drilling Rigs and Specialized Equipment**
  - Well control
  - Managed pressure drilling
  - Mobile rigs
  - New rigs for exploration drilling
  - Drilling crew competence assurance
  - Human factor training
  - Subsea production
  - Problems and prospects of the Arctic offshore fields development

- **Hard-to-Recover Reserves**
  - Exploration, development and technical maintenance of the fields with the whole range of hard-to-recover oil and gas reserves:
    - Development of low-permeable and low-porous collectors
    - Development of super high-viscosity oil fields
    - Development of thin oil rims
    - High water cut reservoirs
    - Problems of intensification and enhancement of oil recovery

- **Search of New Reserves. New in Direction Exploration**
  - Appraising and developing unconventional reserves in base/old regions
  - Potential reserves of prospective regions
  - Advanced exploration technologies

- **Fast Tracking Field Development**
  - Strategic and technical decisions under uncertainty of geological information
  - Evaluation of uncertainties and risk management in the field development
  - Conceptual designing of field development
  - Selection of field development technologies and production of hydrocarbons in the early stages of fields life
  - Accelerate additional exploration of fields

- **Remote and Autonomous Fields' Development**
  - The fields that are bringing into development, are mostly located in the regions far from transport infrastructure, electricity and water supply, where the usage of standard technologies is impossible:
    - Technological solutions for autonomous oil and gas fields system development
    - Involvement in development of the fields with difficult access
    - Methods and technologies of oil and gas fields’ development in severe environmental conditions
    - Subsea production
    - Problems and prospects of the Arctic offshore fields development

- **Experience and Prospects of the Shelf Development**
  - Offshore exploration
  - Offshore drilling
  - Technology and equipment for offshore production

- **Well construction – Drilling and Completion**
  - Formation damage reduction
  - Prevention and elimination of lost circulation and wellbore stability issues
  - Solutions for improving drilling efficiency in extreme geological conditions (ERD, H2S, HPHT, etc.)
  - Modern well completion technologies, “smart well” – DTS, ICD, multilateral, etc.

- **Oil and Gas Production - Equipment and Technologies**
  - Modern approaches - how to lift oil to the surface and achieve maximum long-term oil and gas production
  - Natural flowing and artificial lift optimization
## Gas Lift and Downhole Pumps
- ESP, SRP, PSP, jet pumps and other artificial lift systems
- Measuring systems and real-time production control
- Water cut meters, multiphase flow meters and test separators
- Gathering, transport, storage and treatment of oil and gas

## Field Development Monitoring and Control
- Equipment and measuring systems of well production enrollment
- Data interpretation for analysis and control of field development
- Methods of production data analysis
- Smart systems of well production management and other issues including environmental safety monitoring

## R&D and Innovations for Hydrocarbon Exploration and Production
- New patented ideas
- Prototype design and testing
- New technologies implementation issues
- Best practices
- R&D management

## Formation Evaluation
- Lab studies. Core measurements
- Well logging, geophysical studies in exploration and development wells – new methods and methodologies for testing and interpretation
- Hydrodynamic and thermal-hydrodynamic reservoir testing
- Quantitative characterization of multi-layer reservoirs under multiple-completion and commingled development
- Application of numerical simulators for interpretation of geophysical data
- Reservoir characterization in horizontal and multi-lateral wells

## New Opportunities for Brownfields
- EOR tertiary methods: thermal (SAGD, steam injection, in situ combustion), chemical (microbial, surfactants, polymers etc.), hydrodynamic (inflow control, non-stationary, step-thermal flooding, etc.), combined methods
- Production stimulation methods (fracturing, hydrodynamic, wavelet etc.)
- Complex EOR/IOR innovative approaches
- Trapped oil characterization

## Smart field. Technology challenges
- Smart well (smart well monitoring and management during oil and gas production, downhole monitoring systems, materials and technology for smart wells systems, smart well hardware)
- Integrated modeling and operations, integration of existing information systems
- Evolution of technical requirements for systems, equipment and software driving by smart field
- Smart fields elements executions – real projects
- Smart field optimizations workflow (flow assurance, well performance, EOR optimization, etc.)
- Mathemetic methods for smart field (neural networks, etc.)

## Static, Dynamic and Geomechanical Modeling. Software
- Improving the quality and value of the reservoir models
- Novel modeling technologies and practical applications

## An Integrated Approach to Gas and Gas-Condensate Field Development
- Reservoir-wells-surface as a joint system
- Software for co-simulation of system reservoir-wells-surface facilities
- Gas fields development designing on the basis of an integrated approach
- Optimization of gas fields surface facilities using an integrated approach

## HSE
GUIDELINES FOR THE SUBMISSION OF PAPER PROPOSALS

• The paper proposal should be submitted BY 10 MARCH 2015 online at www.spe.org/events/rpc/2015
• The paper proposal must be in English or in Russian. Paper proposal title must be in both English AND Russian.
• The substance of the abstract should not have been presented or published before.
• Obtain necessary clearance from your management.
• The paper proposal must be no more than 450 words and should include a description of the proposed paper, results/conclusions, and the technical category most applicable to your paper.
• Do not include the title or author names in the body of the abstract. The title and author information will be requested separately through the submission system.
• Do not include tables, figures, bibliographic lists, or subscripts in your abstract.
• Authors of paper proposals selected for the conference will be notified 27 APRIL 2015.

GUIDELINES FOR ACCEPTED PAPER PROPOSALS

• If your paper proposal is accepted it may be published, as submitted, in conference information media, including on the event website.
• Your paper proposal may be accepted for either a technical presentation or eposter presentation. If your paper proposal is accepted you will be required to produce a technical paper (manuscript) and presentation in BOTH English AND Russian.
• The manuscript will be included on the conference proceedings CD and be made available on the SPE electronic library (OnePetro).
• The manuscripts are to be submitted BY 15 JULY 2015.
• Failure to submit your manuscripts by this deadline will result in your presentation being withdrawn from the conference programme and the author will not be allowed to present.
• Detailed instructions for the preparation of manuscripts and technical presentations will be sent to the corresponding author of each accepted paper.
• SPE assumes no obligation for expenses incurred by authors for travel, lodging, food, or other incidental expenses.

STRUCTURE OF A PAPER PROPOSAL

• Objective and Scope
  Please list the objectives and/or scope of the proposed paper.
• Methods, Procedures, Process
  Briefly explain your overall approach, including your methods, procedures and process.
• Results, Observations, Conclusions
  Please describe the results, observations and conclusions of the proposed paper.
• Novel/Additive Information
  Please explain how this paper will present novel (new) or additive information to the existing body of literature that can be of benefit to and/or add to the state of knowledge in the petroleum industry.

COMMERCIALISM

The Society of Petroleum Engineers has a policy against the use of commercial trade names, company names or language that is commercial in tone in titles, text or slides. Use of such terms will result in careful scrutiny by the Programme Committee in evaluating paper proposals and the presence of commercialism may result in it being withdrawn from the conference programme.

SPE CONFERENCE DUAL SUBMISSION POLICY

As of 1 May 2013 authors will be allowed to submit abstracts to only one conference at a time. An abstract must be declined by a program committee prior to being submitted to another conference for consideration. In the event it is detected that an abstract has been submitted to more than one conference, all versions/copies of that abstract will be removed from consideration. Any paper previously presented at a conference and published in OnePetro may not be re-submitted for publication at another SPE conference. The author may present the subject matter at subsequent conferences at the invitation of the program committee, but the paper will not be included in the conference proceedings.

NO PRESENTATION POLICY

The failure of SPE conference authors to have at least one designated individual present the paper at the conference will result in the conference paper being permanently withdrawn from the SPE technical paper archive in OnePetro.

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All authors of papers presented at the conference will be required to complete and submit a copyright release form to the Society of Petroleum Engineers or submit the copyright exemption form where applicable.

FOR MORE INFORMATION PLEASE CONTACT SPE RUSSIA AND CASPIAN:

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