



## WINTER SCHOOL ON APPLIED MODELLING

### Well and Reservoir Characterisation

Riviera Hotel

Kazan, Russia

22 January 2015

Dear Colleagues,

We are pleased to invite you to participate in the 7<sup>th</sup> International Winter School on Applied Modelling **WSAM 2015** to be held 22 January 2015 at the Riviera Hotel in Kazan, Russia.

The school focuses on well and reservoir characterisation by geological modelling, petrophysical modelling, reservoir flow simulations, streamline analysis, temperature simulations, multiphase flow modelling, noise logging, corrosion logging, pulsed neutron logging and open-hole logging.

WSAM is intended for a broad audience of experts – particularly production technologists, reservoir engineers, petrophysicists, mathematicians and software developers – using modelling in their daily work.

For more information, please use the following link:

<http://wsam.ae/wsam2015/>

Please send a one-page abstract of your paper to WSAM 2015 Committee at [org@wsam.ae](mailto:org@wsam.ae) before **15 December 2014**.

*With best regards,*

*Dr. Arthur Aslanyan*

*Chairman of WSAM 2015*

## TOPICS

### 1. Applications

- Temperature simulations
- Multiphase flow analysis
- Noise and acoustic logging
- Corrosion logging
- Pulsed neutron logging
- Open-hole interpretation
- Fine-grid geological modelling
- Reservoir flow modelling
- Streamline analysis
- Pressure pulsation tests
- Multi-rate techniques

### 2. Digital signal processing

- Data filtering
- Wavelet analysis
- Regression and correlation analysis
- Statistical analysis
- Artificial neural networks

### 3. Numerical modelling

- Subsurface heat and mass transfer
- Electromagnetic scanning
- Neutron scattering
- Noise generation and propagation

## INVITED LECTURERS

1. Prof. Kirill Bogachev, CTO, Rock Flow Dynamics
2. Prof. Andrey Salamatin, Kazan Federal University
3. Prof. Andrey Ipatov, Director, GazpromNeft
4. Prof. Grigory Kabatyansky, Institute of Information Transmission Problem
5. Hassan Kohzadi, President, Global New Petro Tech
6. Danila Gulyaev, Head of Development Monitoring Department, GazpromNeft
7. Marat Zaydullin, Energy Efficiency Cluster, Skolkovo Foundation
8. Ilya Kaeshkov, GazpromNeft
9. Elena Dolzhenko, Yamal SPG
10. Dr. Vasiliy Ryzhov, Head of Analytics Centre, Gradient
11. Dr. Mwaku Webby Mulyata, Idzhat
12. Dr. Arthur Aslanyan, Chief Technology Officer, TGT Centre of Experts
13. Dr. Irina Aslanyan, Well and Reservoir Expert, TGT Centre of Experts
14. Dr. Andrey Arbuzov, Head of R&D dpt., TGT Prime

## PARTNERS



## ORGANIZING COMMITTEE

	<i>Dr. Arthur Aslanyan</i>	TGT HQ, Dubai	Chairman
	<i>Saad Bargach</i>	LimeRock Partners	
	<i>Prof. Andrey Ipatov</i>	GazPromNeft	
	<i>Dr. Jamal Barghouti</i>	AMCO Solutions	
	<i>Marat Zaidullin</i>	Skolkovo Foundation	
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	<i>Vladislav Sudakov</i>	Sofoil	
	<i>Prof. Andrey Salamatin</i>	Kazan Federal University	

	<i>Prof. Grigory Kabatyansky</i>	Institute for Information Transmission Problems, Russian Academy of Sciences	
	<i>Yana Kobelyanskaya</i>	Prime College	
	<i>Prof. Kirill Bogachev</i>	Rock Flow Dynamics	
	<i>Prof. Renat Muslimov</i>	Academy of Sciences of the Republic of Tatarstan	
	<i>Dato Udani Mohd Daud</i>	Max Energy	
	<i>Hassan Kohzadi</i>	Global New Petro Tec	

## AGENDA

### 22 January 2015

08:45 – 16:00 Registration

### Opening session

09:00 – 09:10 *Looking back at WSAM 2014* (video)

09:10 – 09:20 *Dr. Arthur Aslanyan (WSAM 2015 Chairman)*

### Session 1 – 3D Modelling

09:20 – 10:00 **Vladislav Sudakov, Marianna Dmitrieva (Sofoil)**  
Extra data for history matching during the MGFM project

10:00 – 10:30 *Landish Minligalieva (Sofoil)*  
PPT Designing on 3D models

10:30 – 10:45 Coffee break

10:45 – 11:30 *Anastasia Vasilyeva (Sofoil)*  
Pressure Pulse Testing on Offshore

### Session 2 – Multiphase Flow Modelling

11:30 – 12:00 *Prof. Andrey Salamatin, Marina Belashova, Ilnaz Zaripov (TGT Oilfield Services)*  
Nonstationary Hydrodynamics Modelling for Producers

12:00 – 13:30 Lunch and Quiz Time

13:30 – 14:00 *Elizaveta Skutina, Ilnaz Zaripov, Andrey Karuzin (TGT Oilfield Services)*  
Temperature Modelling for Injectors. Autofitting Model Temperature Profiles to Temperature Logs – Live Demo

### Session 3 – Reservoir Evaluation

- 14:00 – 14:30 *Ilnaz Valiev, Renat Garipov, Aydar Gazizov (Idzhat)*  
Polymer Dispersion Systems for Enhanced Oil Recovery
- 14:30 – 15:00 *Dr. Vasiliy Ryzhov (Gradient)*  
Surface Hydraulic Fracture Monitoring by Full-Wave Location Technology
- 15:00 – 15:30 *Dr. Yulia Maslennikova, Sergey Prosvirkin, Dr. Irina Aslanyan (TGT Oilfield Services)*  
Reservoir Pressure Evaluation using Multirate SNL
- 15:30 – 15:45 Coffee break
- 15:45 – 16:00 *Adel Zakirov (Sofoil)*  
Pulsed Neutron Logging - Neutron Scattering Model

### Session 5 – Well Integrity

- 16:00 – 16:30 *Dr. Andrey Achkeev, Dr. Andrey Arbuzov, Dr. Dmitry Chistyakov (MIKS)*  
Corrosion Logging. MID-2 Modelling

### Knowledge Sharing

- 16:30 – 17:00 *Gennadiy Istomin (TGT Oilfield Services)*  
Integrated services & brown field rehabilitation
- 17:00 – 17:15 *Dr. Arthur Aslanyan (WSAM 2015 Chairman)*  
Closing ceremony

## ABOUT RUSSIAN FEDERATION

Russian Federation is a country in northern Eurasia. It is a federal semi-presidential republic and comprises eighty-five federal subjects.

Russia is the largest country in the world; its total area is 17,075,400 square kilometres (6,592,800 sq mi). There are 23 UNESCO World Heritage Sites in Russia, 40 UNESCO biosphere reserves, 41 national parks and 101 nature reserves. It lies between latitudes 41° and 82° N, and longitudes 19° E and 169° W.

There are over 160 different ethnic groups and indigenous peoples in Russia. Ethnic Russians with their Slavic Orthodox traditions, Tatars and Bashkirs with their Turkic Muslim culture, Buddhist nomadic Buryats and Kalmyks, Shamanistic peoples of the Extreme North and Siberia, highlanders of the Northern Caucasus, Finno-Ugric peoples of the Russian North West and Volga Region all contribute to the cultural diversity of the country.

## ABOUT KAZAN

Kazan is the capital of the Republic of Tatarstan, one of the largest and most beautiful cities of Russia, which is on the list of UNESCO World Heritage cities.

The old Kazan is the center of the city. There are beautiful buildings raised in different architectural styles. You can feel the aura of antiquity spell from ancient white walls of the Kazan Kremlin wherefrom a superb view on the river opens. Kazan easily combines the culture and traditions of the East and the West: next to the finely cut minaret towers there are old Orthodox churches.



A prevailing feature of life in the city is peaceful, creative coexistence of different religions and nationalities.



## RIVIERA HOTEL

<http://www.kazanriviera.ru/en/hotel/about/>

Kazan's "Riviera" hotel – is the trademark of the right bank of Kazanka river. "Riviera" hotel is the tallest building in Kazan that can be seen practically from any point of the city. In a very short period of time "Riviera" hotel has become one of the leading Kazan hotels, admired and loved far beyond the borders of Tatarstan capital. The most sophisticated and exacting judges of comfort are among the admirers of "Riviera" hotel.



"Riviera" hotel, being part of a single hotel and entertainment complex with aqua park "Kazanskaya Riviera", is a unique place as there is no other one like that in Kazan, as well as in the nearest regions. "Riviera" hotel is represented by 210 comfortable rooms of various categories but equally cozy and attractive in terms of design. Whether it is an inexpensive Comfort-room or luxurious Presidential your stay in Kazan promises to be carefree and easy.

After visiting entertainment events or seeing the sights of Kazan you will always get a good relaxation in hotel rooms. The hotel can offer you a wonderful recreation – visit to a hotel restaurant, fitness-club, beauty salon and the cinema. Recreation in the most European hotel of Kazan is an excellent way of spending your time in the city.



"Riviera" hotel guests' physical and emotional rest is tenderly secured and every wish, even the smallest one, is attended! Hotel's address is: 1, F. Amirkhana pros., Kazan, Russia

*We look forward to seeing you at WSAM 2015 in Kazan!*