

# Galperin | '09 Readings

**VSP and 3D Acquisition  
Seismic Prospecting and Seismology**



## First Announcement

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### IX Annual International Conference and Exhibition VSP and 3D Acquisition Seismic Prospecting and Seismology

**Galperin Readings** is a specialized annual forum on innovative technologies in the seismic prospecting based on a fundamental wave propagation theory. Forum inheriting traditions founded by E. I. Galperin, the inventor of the VSP method.

**The special subject of the IX Conference** is the integration of surface and borehole seismic surveys with data processing and interpretation software (3D+VSP).

**Exhibition Purpose** is to show latest achievements in the development of acquisition tools, devices and other auxiliary facilities for three dimensional surveys (3D+VSP).

Oil and gas companies, geological and geophysical companies as well as research centers, universities and other interested organizations are invited to participate in the Conference and Exhibition.

#### Conference Organizers



[Central Geophysical Expedition  
JSC](#)



[GEOVERS Ltd.](#)



[Institute of Physics of the Earth  
of Russian Academy of  
Sciences](#)



[Euro-Asian Geophysical Society](#)

#### Venue

The Conference and Exhibition will be held at the Central Geophysical Expedition (CGE), one of the leading geophysical services provider in Russia.

Since 2006, Galperin Readings Conference is held under sponsorship and informational support by the European Association of Geoscientists and Engineers (EAGE-PACE), Euro-Asian Geophysical Society (EAGO) and other interested geophysical and oil companies.

#### Schedule

October, 27	Tuesday	Registration
October, 28-29	Wednesday - Thursday	Conference and Exhibition
October, 30	Friday	Commercial presentations of software tools and technologies
October, 30	Friday	Theatres of Moscow

## Participation

To participate, please fill out an Application Form (**Appendix 1**) and deliver it by e-mail or fax to the Organizing Committee. Please, submit

by September, 10	Application for Presentations
by October, 1	Application for Participation in Exhibition
by October, 10	Application for Commercial Presentations
by October, 15	Application for Conference and Exhibition Attendance

**The Technical Program** will consist of oral and poster presentations. Submitted papers should reflect the latest achievements in borehole seismic acquisition techniques and software development for use in integrated processing and interpretation of acquired VSP and surface seismic data.

**Oral Presentations** will be held in the conference hall of CGE. Up-to-date technical devices (digital and overhead projectors) will be available. The reports should be attended with the slideshow in Russian and English languages (see **Appendix 3** for an example) because of the simultaneous translation complexity. The questions and answers will be attended with a simultaneous translation.

**Poster Presentations** will be on display in a special area beside the Conference Hall. A **2.5 m × 1.5 m** poster box will be provided for each poster presentation.

## Conference Materials

Extended Abstracts will be available by the beginning of the Conference both in paper and electronic (CD) versions.

Extended Abstracts must be submitted by e-mail to [vsp@cge.ru](mailto:vsp@cge.ru) and may contain up to 4 pages (including figures and literature references). Please, refer to the Text Format Requirements and use the suggested template (**Appendix 2**).

An Extended Abstract must also include title and short abstract (up to 200 words). The Russian version of the text is desirable but not necessary.

## Exhibition

Due to the limited space available for the Exhibition, the Organizing Committee recommends presenting small-sized exhibits reflecting the most modern developments or photographs of the exhibits. Exhibitors are expected to use their own facilities to deliver their exhibits.

## Commercial Presentations

Companies that wish to introduce their specialized software and technologies for integrated processing and interpretation of VSP, surface seismic and logging data must send in a completed Application Form (**Appendix 1**) to the Organizing Committee.

## Registration Fees

Registration fee for participants and attendees	€300
Cost of rent in the Exhibition area (1 m <sup>2</sup> )	€100
Commercial presentation fee (30 min)	€450
Workshops and excursions	€100

VAT is not included. Payment may be made by bank transfer to GEOVERS Ltd.:

Beneficiary customer:	GEOVERS Ltd.  Address: 15 building 8, Nagornaya Street, 117186, Moscow City, Russia
Beneficiary bank name and address:	Name: SBERBANK, Moscow (Head office-all Russian offices and branches)  Address: Moscow, Russia SWIFT: SABR RU MM Krasnopresnenskoye Branch 1569
Beneficiary account in Beneficiary bank:	40702978438170209491
Correspondent bank of Beneficiary bank:	Name: Deutsche Bank AG, Frankfurt am Main, Germany  Address: Frankfurt am Main, Germany SWIFT: DEUTDEFF CORRESPONDENT ACCOUNT: 10094987261000

Payments must be certified by fax at: [+7 \(499\) 192-81-35](tel:+74991928135) or by e-mail: [vsp@cge.ru](mailto:vsp@cge.ru). Please indicate clearly on all cheques and bank transfers your name and payment title as “**Registration fee, Galperin Readings 2009**”. Registration fees may also be paid onsite in cash during registration.

## Sponsorship

The Conference and Exhibition are financially reliant entirely on registration fees, rent for exhibition space and commercial presentations.

As these resources do not cover all necessary expenses, the Organizing Committee invites participating companies to sponsor the Conference and Exhibition.

Your sponsorship will be mentioned in the Conference materials. Sponsoring the Conference entitles you to have an advertisement of A5 size published in the Extended Abstracts book and to

have an advertising presentation time of your products secured for free. Moreover, logos of sponsoring companies will be placed on the Extended Abstracts book cover. The Sponsor may also provide an advertisement, booklet or any other information materials which will be handed out to each delegate of the Conference.

### **Accommodation**

Booking of rooms is not provided by the Organizing Committee but can be easily made via the Internet: [www.hotelmos.ru](http://www.hotelmos.ru). You may also contact LeVas company for accommodation reservation: phone/fax +7 (499) 943-59-29, e-mail: [levas@mail.cge.ru](mailto:levas@mail.cge.ru).

### **Social Events**

Moscow is a beautiful modern capital city of Russia with a long and rich history. A Social Program will be prepared to make participation in and attendance of the Conference not only a scientific and business trip, but also an interesting and exciting journey.

In addition, Technical Program will be crowned by a Farewell Dinner where Conference participants and attendees will be able to discuss the Forum results in an informal setting.

Information on the preparation of the Conference and Exhibition will be sent to you and placed on the web site [www.geovers.com](http://www.geovers.com).

### **Organizing Committee:**

phone/fax: +7 (499) 192-81-35

[www.geovers.com](http://www.geovers.com)

### **Chairman**

**Organizing Committee:** Dr. Georgy Gogonenkov

### **Deputy Chairman**

**Organizing Committee:** Dr. Alexander Tabakov

e-mail: [vsp@cge.ru](mailto:vsp@cge.ru)

### **Chairman**

**Program Committee:** Victor Manukov

phone: +7 (499) 192-65-39

fax: +7 (499) 192-80-88

e-mail: [manukov@cge.ru](mailto:manukov@cge.ru)

## Application Form

October, 27-30, Moscow, Central Geophysical Expedition		<b>Galperin Readings `09</b>	
<b>APPLICATION FORM</b>			
<b>1</b>	Surname _____		
	Name _____	Middle Name _____	
	Position / Academic Degree _____		
	Company/Institute _____		
	CEO of Company/Institute _____		
	Postal Address _____		
	Zip Code _____	City _____	Country _____
	Phone _____	Fax _____	e-mail _____
<b>2</b>	<input type="checkbox"/> Presentation <input type="checkbox"/> Attendee* <input type="checkbox"/> Exhibit <input type="checkbox"/> Commercial Presentation		
	*Attendee is entitled to attend all Conference sessions, including the Technical Program, Exhibition, and Commercial Presentations, as well as the Farewell Dinner and other events of the Social Program.		
<b>3</b>	<b>Presentation** (submission deadline - September, 10):</b>		
	Paper Title _____		
	_____		
	Co-authors: Name _____	Company/Institute _____	
	Name _____	Company/Institute _____	
	Name _____	Company/Institute _____	
	Name _____	Company/Institute _____	
	Desired Type of Presentation:	<input type="checkbox"/> Oral	<input type="checkbox"/> Poster
	Required Devices:	<input type="checkbox"/> PC	<input type="checkbox"/> Overhead Projector
	**An oral presentation will be allocated 15-20 minutes including discussion. The Organizing Committee reserves the right to change the final type of presentation.		
<b>4</b>	<b>Exhibit (submission deadline - October, 1):</b>		
	Name of Exhibit _____		
	_____		
	Size of Exhibit _____	Required Exhibit Floor Space _____	
	Form of Presentation:	<input type="checkbox"/> A Photograph	<input type="checkbox"/> Exhibit
<b>5</b>	<b>Commercial Presentation (submission deadline - October, 10):</b>		
	Presentation Title _____		
	_____		
	Presentation Length _____		

## Text Formatting Requirements

Texts of the abstracts must be edited and formatted in the following way: Word 7 file, font – Times New Roman, font size – 14, line spacing – single. Margins – 2.5 cm at all margins. Paragraph first line indentation – 1 cm, alignment by width.

The abstract title should be typed centrally adjusted in capital bold letters, no hyphenation. The title should be preceded by a code indicating the desired presentation form (**O** – oral, **P** – poster), and the number of session in which the abstract is to be included (**1** – New Developments and Software, **2** – Processing and Interpretation Techniques, **3** – VSP and Integrated Seismic Surveys: Case Studies, **4** – Equipment and Data Acquisition). Please leave a blank line beneath the title. The line below the blank line is for the names of the authors. Organizations represented by the authors must be indicated on the following line in italic font. If the authors are from various companies, their names should differ with asterisks (\*). Please, separate the abstract text with two blank lines from the headings (see template below).

**Figures (PNG, JPG files) and tables (Word, Excel files) must be provided as separate files. Authors are strongly requested not to insert figures into the same file as the main text of the abstract. Maximum acceptable size of the figure is A5.**

Literature references should be formatted according to general convention.

**P3      ADVANTAGES AND DISADVANTAGES OF SURFACE AND  
DOWNHOLE SEISMIC ILLUSTRATED BY PROCESSING  
RESULTS OF 3D VSP AND 3D+VSP**

A.A. Tabakov\* & K.V. Baranov\*\*  
(\* *CGE JSC, Moscow*, \*\* *GEOVERS Ltd., Moscow*)

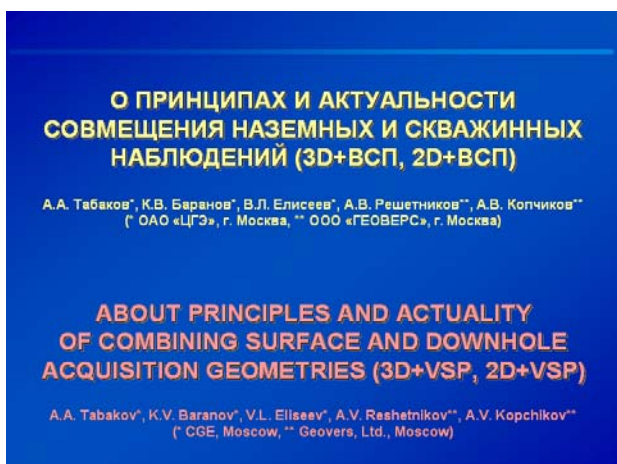
**Abstract. ...**

Text of the abstract ...

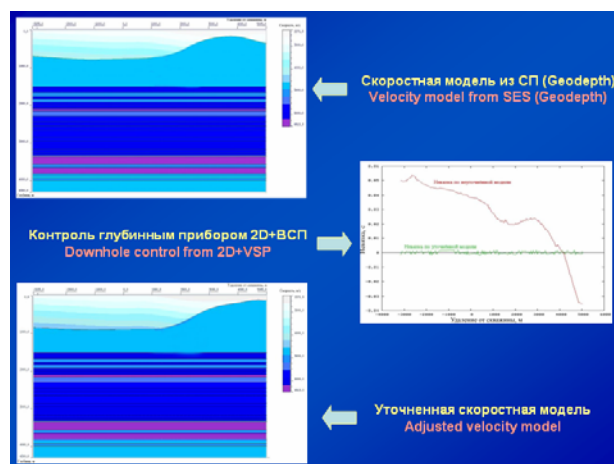


Presentation Requirements

Presentation must include two-lingual content (Russian and English languages). To enhance visual expression is recommended to highlight text of different languages by color or reduce font size of translated text. Labels on figures: scale captions, dimensions, etc could be in English only.



Presentation title and authors list



Slide including figures

Основные положения	Main items
1. Критическая ситуация с нефтяными ресурсами порождает потребность извлечения остаточных ресурсов на старых месторождениях и разработки мелких сложнопостроенных месторождений.	1. Critical situation when mature oil deposits are exhausted leads to the need for extraction of residual oil deposits from old reservoirs and development of new small reservoirs characterized by complicated geological structure.
2. Решение сформулированной задачи требует построения по данным сейсморазведки более детальных и достоверных моделей продуктивных пластов.	2. Solution of the specified problem requests for more detailed and accurate models of productive layers to be recovered from seismic exploration data.
3. Современная сейсморазведка на поверхности и ВСП характеризуется рядом принципиальных ограничений, не позволяющих увеличивать достоверность и разрешенность результатов.	3. Both modern surface seismic exploration and VSP technologies feature a set of principal drawbacks constraining further increase in accuracy and resolution of processing results.
4. Современные трехмерные системы наблюдений 2D+ВСП и 3D+ВСП представляют возможность совместить преимущества сейсморазведки на поверхности и ВСП, обеспечивающих возможности решения поставленных задач.	4. Modern 3D acquisition geometries 2D+VSP and 3D+VSP provide for integration of the surface seismic and VSP surveys allowing to solve the identified problems.

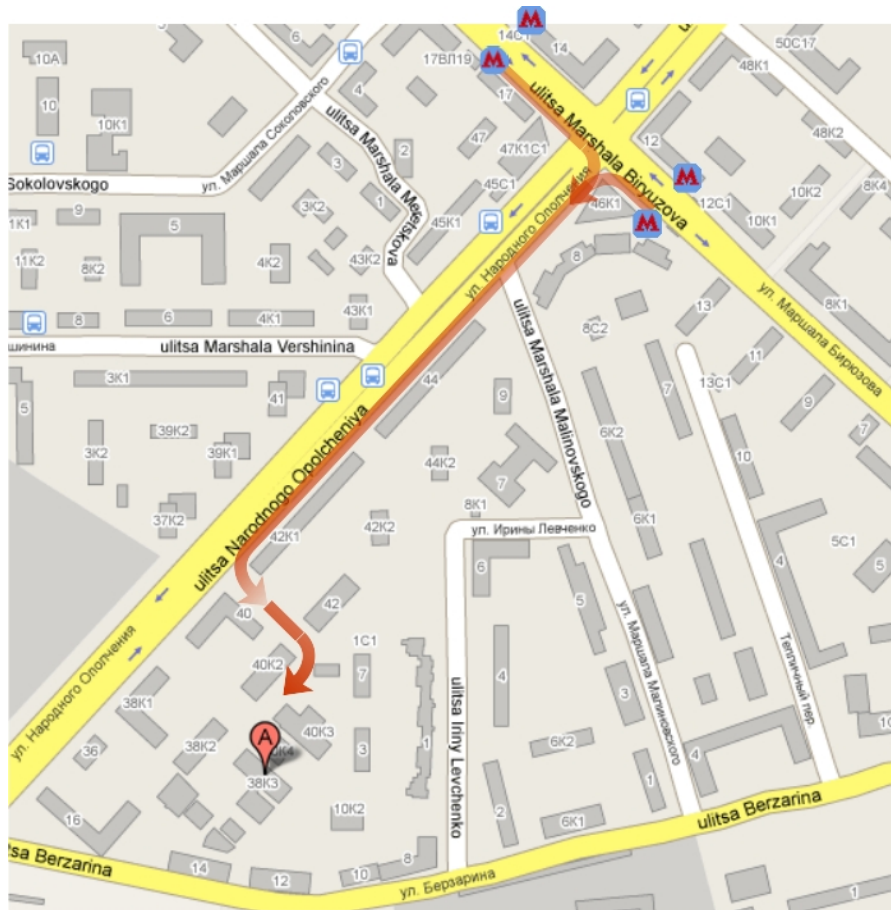
Vertical separation by language

- Недостатки сейсморазведки на поверхности (СП)  
Drawbacks of Seismic Exploration on the Surface (SES)**
- 1) Отсутствие информации о распределении истинных скоростей распространения продольных и поперечных волн  
1) Lack of information about actual P and S waves velocity distribution
  - 2) Отсутствие точных сведений о форме сигнала  
2) Exact information about signature is not available
  - 3) Миграция на основе субгоризонтальной модели  
3) Imaging procedures is based on sub-horizontal velocity model

Interlinear translation



## Map:



**Address:** 38/3, Narodnogo Opolcheniya St., 123298 Moscow, Russia.

**How to reach:** CGE is located within a walking distance (5-10 min) from subway station “Oktyabrskoye Pole”.