

NOVEMBER 15, 2017 RESEARCH AND PRACTICE CONFERENCE

Place: Moscow Polytechnic University, 38 Bolshaya Semenovskaya St., Moscow

SUBJECTS

- Fundamental research in the area of study of characteristic features of basalt stones
- Practice-oriented research and technological application
- Development of new technologies
- Issues of mineral and technological mapping of basalt fields
- Enterprise organization experience on the basis of scientific institutes

09:00 am – 10:00 am Registration of participants

10:00 am – 01:00 pm Research and Practice Conference part 2

- Role and application of basalt in concretes (Sulphur Concrete, Gypsum Concrete, concrete units on water);
- Engineering solutions to basalt construction modelling.

Speaker	Company	Subject
<i>M.A. Chernykh, A.G. Azarevich, V.D. Sekerin, N.E. Ablesimov, E.P. Afanasiev, A.A. Larin, V.V. Bessel, A.E. Ushakov</i>		Welcome speech
<i>Yury Vasiliev</i>	MOSCOW AUTOMOBILE AND ROAD CONSTRUCTION INSTITUTE (MADI) FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER PROFESSIONAL EDUCATION	Sulphur containing composites with composite reinforcement
<i>Andrey Ushakov</i>	Scientific and production enterprise «ApATeCh» ltd	Comparative analysis of structural and mechanic features of thermoplastic strips reinforced with continuous glass and basalt fibers
<i>Vladimir Tsirlin</i>	PlavBeton	Composite solutions in transport concrete shipbuilding
<i>Aleksey Shevnin</i>	KomAR	Low tonnage chemicals for manufacturing of glass and basalt rovings
<i>Sergey Osnos</i>	Basalt Fiber Materials Technology Development LTD	Basalt continuous fiber yesterday – today – tomorrow
<i>Sergey Mikhailovich Shebanov</i>	LEKIS – Moscow Engineering Physics Institute	Analysis of conditions of characteristic features of filling fibers in composites. New opportunity to basalt plastic derivation

01:00 pm – 02:30 pm Break (lunch), excursion to engineering laboratories of the Moscow Polytechnic University

02:30 pm – 06:00 pm Research and Practice Conference part 2

- Avionics use of basalts in small flying vehicles;
- Trends and application of resin binders in structural elements;
- Analysis of conditions of characteristic features of filling fibers in composites;
- Basalt-plastic constructions and corrosive environments;
- Manufacturing technology and application of polymer composite constructions on the basis of basalt fibers.

Speaker	Company	Subject
<i>Yury Svirchuk</i>	Keldysh Centre State Scientific Centre Federal State Unitary Enterprise	Plasma technology for basalt fiber derivation
<i>Vyacheslav Roznichenko</i>	MOSCOW AVIATION INSTITUTE (MAI) FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER PROFESSIONAL EDUCATION	Experience in application of basalt materials in various industrial sectors
<i>Gennady Tishkin</i>	Central Scientific Research Automobile and Automotive Engines Institute, State Scientific Centre, Federal State Unitary Enterprise	Composite materials in car manufacturing. Prospects of basalt fiber application.
<i>Sergey Ryzhov</i>	TesIS Engineering Company	Computational modelling of composites at all stages of the life cycle
<i>Anton Schukin</i>	MEGADRONE	Basalt plastic in small flight vehicles
<i>Aleksey Larin</i>	BasaltCenter	Prospects of use of basalt fibers and basalt plastics in protective constructions and technology
<i>Vladimir Ponomarev</i>	Teploproekt	Establishment of basalt technology centers
<i>Evgeny Afanasiev</i>	Mosspecpromproekt	The issues of basalt products implementation in construction and industry
<i>Magdalena Rogalska</i>	Lublin University of Technology, Civil Engineering and Architecture Faculty	Building and Structure Modelling
<i>Vladimir Sekerin, Alexey Azarevich</i>	BasaltCenter Research and Development Centre	Closing speech

NOVEMBER 16, 2017 BUSINESS PROGRAM

Venue: Congress centre Technopolis Moscow, 42 Volgogradsky Avenue, Moscow

- 9.00 am – 10.00 am Registration of participants, visiting the exposition of samples of basalt fiber products
- 10.00 am – 10.15 am Opening of the business program of the 2nd International Basalt Forum. Welcoming speech of General Sponsor Rosneft PJSC, welcoming speech of Deputy General Director for development of Technopolis Moscow Anna Gorbatova
- 10.15 am – 12.30 pm Plenary discussion «On the wave of the 4th industrial revolution: the industry on the edge of breakthrough»

THEME

- Discussion of the current status of the basalt industry, development prospects, demand stimulation, support of basalt-oriented production facilities, sectorial and inter-sectorial interaction.
- Report by Rodrigo Romo, Program Manager, Pacific International Space Center for Exploration Systems, Hawaii USA

Participants:

A.V. Nikitin – President, Union of basalt industry development Soyuzbazalt
 M.A. Chernykh – General Director, GC Basalt projects
 B.V. Mislavsky – Director for Strategy and Development, Kamenny Vek LLC
 A.V. Udivanov – CEO, Russian Basalt LLC
 A.V. Tyunin – General Director, UMATEX Group
 V.A. Nelyub – Director, Inter-branch engineering center Composites Russia of Bauman Moscow State Technical University
 Enrico Benco – CEO and co-founder, GS4C srl

12.30 pm – 1.00 pm Break

1.00 pm – 2.30 pm Sessions: «Development of basalt fiber and basalt composites market», «Industry-Specific Application»

Session «Development of basalt fiber and basalt composites market» – Technopolis Hall	Session «Industry-Specific Application» – Lomonosov Meeting Room
Current issues <ul style="list-style-type: none"> • Role of basalt fiber in the composite materials market • Current status of basalt fiber and basalt composites market in Russia and worldwide; prospects for further development • Role of clusters in the industry development • Constraints on the growth of basalt composite materials application in the industrial and civil construction, road construction, oil and gas sector • Promising CBF production projects 	Current issues <ul style="list-style-type: none"> • Basalt fiber and basalt composites in the industrial, civil and road construction, bank protection, oil and gas sector, automotive industry, shipbuilding, as well as in the high-technology industries • Examples of implemented projects • Creation and application of innovative materials
Moderator: Polina Sidorenko, Head of Composite Materials Department, GC Basalt Projects	Moderator: Alexey Larin, Director for Scientific and Applied Work of the Scientific Production Center BasaltCentre
Reports: <ol style="list-style-type: none"> 1. Signing of an agreement between the Union of basalt industry development Soyuzbazalt and the Composite Cluster of the Chamber of Commerce and Industry of Bursa, Turkey 2. Anton Tikhonov, Deputy Minister (Moscow) the Ministry of investment and land&property policy of Khabarovsk region – «Perspectives of basalt fiber market in Khabarovsk region» 3. Maksim Chernykh, General Director, GC Basalt Projects - «Presentation of construction project of a BSF plant with a capacity of 15 thousand tons/year in the Moglino SEZ, Pskov region» 4. Ildar Shaikhutdinov, General Director of the Financial Development Business Institute – «State financial support for business development and capitalization of intellectual property» 	Reports: <ol style="list-style-type: none"> 1. Eduard Chichunov, Head of the Moscow office of the Volzhsky Plant of Textile Materials – «Use of basalt nets in construction» 2. Sergey Osnos, Project Manager of Basalt Fiber Materials Technology Development LTD. – «Reinforcing materials and composites based on basalt continuous fibers in road construction» 3. Arkady Granovsky, Head of the laboratory V.A. Kucherenko CSRIBS – «Use of basalt composites to improve the ruggedness and seismic stability of stone structures (Results of experimental studies)» 4. Alexander Shaklein, Director for Development, GC Mashspetsstroy – «Experience with the basalt fiber for production of composite products by winding for the oil and potash industries, and the defense-industrial complex»

2.30 pm – 4.00 pm Break. Guided tour of the museum «Polytechnic Museum. Open collection»

4.00 pm – 5.30 pm Sessions: «Development of basalt fiber and basalt composites market», «Industry-specific application»

Session «Development of basalt fiber and basalt composites market» – Technopolis Hall	Session «Industry-Specific Application» – Lomonosov Meeting Room
<ul style="list-style-type: none"> Follow-up discussion of prospects for the basalt industry development, sectorial and inter-sectorial interaction 	<ul style="list-style-type: none"> Follow-up discussion of basalt fiber and basalt composites in various fields of industry
Speakers	Speakers
<ol style="list-style-type: none"> Enrico Benco – CEO and co-founder, GS4C srl – «Loop650 Project» Mehmet Karahan, Chairman of the Bursa Composite Cluster of BTSO, (Turkey) – «Clusters and their impact on innovation. Practical example of the project execution in Bursa» Georgi Gogoladze, General Director, Deutsche Basalt Faser GmbH, (Germany) – «Achievements of DBF GmbH in research and production of alkali-resistant basalt fiber» 	<ol style="list-style-type: none"> Mikhail Frantsev, Director, Engineering Company Neptune-Sudomontazh, «Method of introducing basalt reinforcing materials into the products of domestic shipbuilding» Raul Ergaliyev, Head, SIE Laboratory of Basalt Glass of the Perm State National Research University – «Use of continuous basalt fiber as a substrate for growing plants on vertical walls by hydroponics» Evgeniy Alyamovskiy, Director General of «Eurotorg Cherepovets» – «Technologies of composite material production» Irina Carpesio, Chief Editor, Industry information portal Basalt.Today – «Use of basalt composites in the sports and recreation industry, medicine and consumer goods»

5.30 pm – 6.30 pm Cocktail dinner

NOVEMBER 17, 2017. BUSINESS PROGRAM

Place: Moscow, Volgogradsky avenue, 42, Technopolis Moscow, Congress Center

10.00 am – 10.30 am Additional registration of participants

10.30 am – 2.00 pm Sections: Technologies, Industry Investment Potential

Section – Technologies, Technopolis room	Section – Industry Investment Potential, Lomonosovo conference room
Pressing issues <ul style="list-style-type: none"> Technologies, equipment and components for manufacturing of basalt fiber and basalt composites based on it Equipment for laboratory research, tests and trials 	Pressing issues <ul style="list-style-type: none"> Industry investment potential, constraining factors Forms for attracting investments and investment methodology Implemented projects and projects in process of implementation
Moderator: Kirill Muraviev, chief engineer of Basalt Projects, JSC	Moderator: Alexey Azarevich, Director General of Basalt Center R&D Center
Reports:	Reports:
<ol style="list-style-type: none"> Aleksey Shevnin, Director General of KomAR – Low tonnage chemicals for manufacturing of glass and basalt rovings Lyubomir Tulakh, trade manager of VUTS (Czech Republic), – Use of textile machines, winding frames and impregnation lines manufactured in the Czech Republic for production of fabric and nets using basalt fiber Aleksandr Shaklein, director for development of State Corporation Mashpetsystroy – Possibilities and experience in establishment of production facilities for processing of continuous basalt fiber into composite products by winding – pipes, reservoirs, supports and fittings Sergey Ryzhov, head of the department of design and engineering analysis systems of TeSIS – Numerical simulation of composite materials on all life cycle stages 	<ol style="list-style-type: none"> Ekaterina Vesnina, project manager of the Financial Business Development Institute – Increase of investment attractiveness through intellectual property capitalization Ruslan Okhrimchuk, managing partner of Lodya, LLC – Attraction of investments in the process of ICO in basalt industry. Real life experience Evgeniya Schemeleva, Ministry of Natural Resources and Forestry of the Arkhangelsk Region Vladimir Tsyrlin, project manager of Plavbeton – Building of Concrete Transport Ships

2.00 pm – 3.00 pm Technopolis Moscow Tour (visits to resident companies, Nanotechnology Center of Composites and Prepreg-ACM)