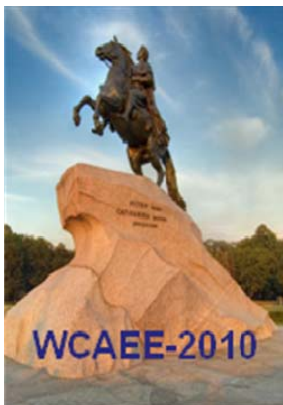




НАУЧНО-ТЕХНИЧЕСКИЙ ЦЕНТР «ТАТА» (ООО НТЦ «ТАТА»)  
А/я 687, г. Саров, Нижегородская область, Россия, 607183  
SCIENTIFIC TECHNICAL CENTRE "TATA" (STC "TATA")  
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The Fourth Announcement  
Congress WCAEE-2010

*№ 1101-10 from  
March 1, 2010*

ВТОРОЙ ВСЕМИРНЫЙ КОНГРЕСС  
«АЛЬТЕРНАТИВНАЯ ЭНЕРГЕТИКА И ЭКОЛОГИЯ»  
**WCAEE • 2010**

Россия, Санкт-Петербург, 9-15 августа 2010

To participants of the Second World Congress  
“Alternative Energy and Ecology”

**WCAEE-2010**  
(Russia, St.-Petersburg, 2010)

## *The Fourth Announcement* *Congress WCAEE-2010*



*More than 250 scientists, engineers, businessmen, medics, experts in different areas from 40 countries will participate in the work on the largest Forum.*



## The following events will be held in the frameworks of the Congress:



The Fourth International Symposium  
"Safety and Economy of Hydrogen Transport"  
**IFSSEHT-2010**



The Second International Symposium  
"Hydrogen Sensors and Recombiners"  
**ISHSR-2010**



The Second International Conference  
"Hydrogen and Renewable Sources of Energy"  
**ICHRSE-2010**



The First World Symposium  
"Fundamental and Applied Problems of Modern Wind Energy"  
**ISFAWE-2010**



The First International Scientific Conference  
"Innovation Collaboration of Baltic Region Countries"  
**ICICB-2010**



Scientific Youth School  
"Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology"  
**FAQmAEE**



Scientific and Technical Exhibition  
"Alternative Energy and Ecology – Novel Technical Solutions and Realizations"  
**AEE-2010**

International Scientific Workshop  
"Alternative Energy, Ecology, and Medicine"  
**AEEM-2010**



INVITATION



## INVITATION

to

### SECOND WORLD CONGRESS ALTERNATIVE ENERGY AND ECOLOGY

9-15 August 2010, St. Petersburg, Russia

As a result of growing demand for petroleum, especially from fast growing economies of China and India, and because of the speedy depletion of petroleum resources, In 2008 price of petroleum continuously increased until it reached \$150 per barrel. Since then, because of the economic recession, demand for petroleum subsided and went down to \$40 per gallon. However, since then because of the picking up of some economical and industrial activity, demand for petroleum started to grow and recently its price reached \$85 per barrel. These are all indications that we are running out of petroleum, as well as natural gas and coal.

Large scale utilization of petroleum, natural gas and coal is also resulting in the growing environmental problems. Large chunks of ice are breaking from Antarctica and Greenland causing sea levels to rise. Stronger storms, floods and droughts are hurting the world economy. The total environmental damage caused by global warming, climate change, ozone layer depletion, acid rains, pollution and oil spills, presently stand at \$8.3 trillion per annum, and it is growing.

Because of the foregoing, scientists, engineers and environmentalists are working to find solutions to the interrelated global problems of energy and ecology. Under the leadership of Dr. Alexander L. Gusev, a new series of scientific meetings, i.e., World Congresses Alternative Energy and Ecology (WCAEE), have been initiated, which covers alternative energies and ecology, including their history, renewable energy sources, nuclear energy, thermonuclear energy, hydrogen energy, energy conversion, effects on ecology, flora and fauna, and the related topics.

The first of these congresses were held on a riverboat, which cruised from Nizhny Novgorod to Kazan and back in August 2006. I am happy to report that it was a big success with participants hailing from many countries of the world. Because of its great success, now the second congress in the series, i.e., Second World Congress Alternative Energy and Ecology (WCAEE 2010) is being organized in the beautiful and historic city of St. Petersburg.

Because of the foregoing, I urge all the engineers, scientists, environmentalists, decision makers and policy makers, who are involved in alternative energy and ecology directly and/or indirect-



ly, to contribute to and/or participate in the Second World Congress Alternative Energy and Ecology (WCAEE 2010). This will bring us closer to the age of abundant energy and clean ecology.

**T. Nejat Veziroglu**

**President, International Association for Hydrogen Energy**

**Chairperson, World Congress Alternative Energy and Ecology**



## Congress Venue



### Hotel Baltiets

**Address: 427 Primorskoye Shosse, Repino village, St.-Petersburg, 197738**

### Location

Baltiets Hotel is located in 40 km from St.-Petersburg. It is very good seaside resort for country vacation.

Access: From Subway station “Chernaya Rechka” by bus № 211 to the bus stop Repino-Tsentr; from Subway Station “Staraya Derevnya” by fixed-run taxi K-305 to Baltiets Hotel (flag stop); from Subway Station “Prospekt Prosvescheniya by fixed-run taxi K-680 to Baltiets Hotel (flag stop).

From Finlandsky Railway Station to Baltiets Hotel by suburban electric train in Vyborg direction to Repino Station; or by fixed-run taxi K-400 to Baltiets Hotel (flag stop).

### How to drive to the Hotely

Use the Ring Road (KAD) to the exit PRIMORSKOYE SHOSSE and then to Vyborg (NOT “Vyborg Shosse”!). Drive 13 km after exit from KAD, after Sestroretsk on large crossroad drive in direction “Vyborg, Helsinki” (NOT “Beloostrov, Pesochny”!). After this crossroad drive 1 km and turn to the road in direction “Zelenogorsk”. Drive through Solnechnoye to Repino. Near the railroad platform turn 180°, drive 100 m and turn right after “Shlyapin” Restaurant to “Baltiets” and “Burevestnik” Hotels. The distance between KAD exit and Hotels is about 23 km.

There is a parking place near the Hotels. There is also a paid guarded parking place. Cost of the paid guarded parking place is 150 Rub (2009) per whole stay in the Hotel.



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**GPS coordinates of "Baltiets" and "Burevestnik" Hotels:**

Latitude: 60° 9'57.94"N

Longitude: 29°52'25.24"E





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- 2 Goals and Tasks of the Congress
- 3 Congress Conception. Congress Status
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- 7 On the role of International Scientific Journal for Alternative Energy and Ecology
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***II. The Second International Conference “Hydrogen and Renewable Sources of Energy” ICHRSE-2010***

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***VIII. Scientific and Technical Exhibition “Alternative Energy and Ecology – Novel Technical Solutions and Realizations” AEE-2010***

***IX. International Scientific Workshop “Alternative Energy, Ecology, and Medicine” AEEM-2010***



## Preamble

The Editorial Board of the International Scientific Journal for Alternative Energy and Ecology, Institute of Hydrogen Economy, Scientific Technical Centre "TATA" (STC "TATA", Sarov, Russia) under the auspices International Association of Hydrogen Energy (IAHE), Federal Agency of Science and Innovations (Rosnauka), United Nations Organization Department of Hydrogen Energy of Industrial Development, RNC "Kurchatovsky Institute", Institute of Problems of Chemical Physics RAS are preparing the Second World Congress "Alternative Energy and Ecology" (WCAEE-2010).

During the Congress work the participants will have the possibility to exchange the information on the directions of international collaboration; discuss the possibilities of joint projects execution on the international level; demonstrate achievements of scientific and research institutions and enterprises in the field of hydrogen technologies for energy production.

Recommendations to the leaders of the "Civil G8" participating institutions on the most effective ways of the alternative energy development will be elaborated. We expect preparation of a number of important international agreements that will be able to influence significantly on the national strategy and sizes of the alternative energy technologies development in our country.

Reliable energy supply is the most important factor of stable economic development and political stability in the World. Growth of the World economy and quality of the population life depend on constant and effective functioning of the energy, since the energy provides with access to the main civilization welfare for each human.

Recent events on the World energy markets raised the issues of energy safety. Nowadays we face fast growth of energy consumption, especially in the developing World regions with large population. High fluctuating prices on the oil and oil product markets forced us to think seriously about the threat of the World economic stability.

Global energy safety goes through the risks associated with increase of the power consuming world regions dependence on energy resources, appearance of social instability and ethnic conflicts in a number of countries busy with energy resources production and transit, threat of terrorism, increasing contribution of the energy into anthropogenic influence on climate, etc.

In this case the issues of the global energy safety should be considered in the context of solution of two important world problems: global climate change and absence of access of the submerged tenth to the ecologically pure and economically available energy.

Energy protection requires joint efforts from the side of the international community on the following directions:

- reliable and effective ensuring the world economy with traditional hydrocarbon energy resources;
- diversity of energy supply at the expense of novel energy and technology sources;
- efficiency increase of the energy resources use.

No doubt, all countries are interested in stability of the supply and predictability of the prices on the energy resources to provide deserving life quality of the population of our planet. That is why different issues of the energy safety are included into the agenda for meetings of the "Civil G8".

Hydrogen economy is one of the main energy concepts of the XXI century.

Hydrogen is the perspective intermediate energy carrier for the future. Sometimes it supplements or substitutes the energy resources of the hydrocarbon oil fuels and nature gas.

Nowadays the basics of the XXI century energy are being laid. Even now hydrogen is used in such mass and energy consuming areas as auto transport and, first of all, ecological public transport for large cities. Participation of not only scientists and engineers, but also state apparatus in the development process of the hydrogen transport and hydrogen energy in general is especially important.

Right now it is time to apply the concept of the hydrogen energy to new conditions involving many scientists and engineers of different specialties into this process.

Right now we are experiencing revival of interest to the hydrogen energy and hydrogen transport. On this stage it is very important to use this favorable impulse for the progress. It is necessary to provide with maximum stable and progressive development of this process.

It is necessary to remember that the risk of anthropogenic accidents and catastrophes is impossible on this stage, since it can change the favorable situation and significantly slow down this process.

The main attention of the hydrogen community should be paid to investigations in the area of production, storage, transport and application of hydrogen in energy facilities, based on fuel elements.

Safety of the hydrogen transport, creation and improvement of international and national standards in the field of environmental protection and nature management are the most important elements of the hydrogen economy.

That is why it is very important to pay attention to development of efficient inspection methods of observance of laws, standards and normative documents requirements in the field of technical control, environmental protection and nature man-





agement, requirements of international and national standards. It is necessary to provide with all-round development of non-departmental inspection methods, including ecological audit and public commission.

Great attention must be paid to economic aspects of hydrogen use. This will allow providing with the most rational substitution of ecologically unclean energy sources.

On the initiative of G8 leaders the International Partnership on Hydrogen Energy, joining 17 countries, including Russia, have been created in November 2003 to coordinate the efforts on development of hydrogen economy.

### **Role of International Scientific Journal for Alternative Energy and Ecology**

In 2010 the Journal celebrates its 10<sup>th</sup> anniversary! During these years large works has been done on organization of different forms of communication with the readers and authors, and on distribution of the information about the journal among scientific and engineer community.

In 2000 the First International Symposium of Safety and Economy of Hydrogen Transport - IFSSEHT-2000 has been held on the initiative of the Editorial Board of the International Scientific Journal for Alternative Energy and Ecology. This has been very remarkable event for restoration of the hydrogen energy in Russia – after 1988 there were no conferences on hydrogen energy held in Russia. Well-known scientists from several countries, President of International Association of Hydrogen Energy – Prof. Dr. T.N.Veziroglu took part in the Forum in Sarov.

In 2003 the Second International Symposium of Safety and Economy of Hydrogen Transport - IFSSEHT-2003 has been held on the initiative of the Editorial Board of the International Scientific Journal for Alternative Energy and Ecology. The Symposium gathered 350 participants from 12 countries – the best experts in the field of hydrogen energy.

In 2006 the First Congress "Alternative Energy and Ecology" has been held on the initiative of the Editorial Board of the International Scientific Journal for Alternative Energy and Ecology.



Permanent Organizing Committee of the Congress WCAEE-2010 made the decision to hold the Second International Congress in 2010 on August 9-15, 2010.

More than 250 scientists and engineers, and conspicuous statesmen, businessmen, lawyers from 40 countries will take part in the work of the Congress. The Congress will be held both in "Baltiysk" Hotel on Finsky Bay, and wide representation of the scientists in absentee participation form.

All presentations (resident and absentee) and scientific and technical projects will be reviewed by the leading reviewers and experts of the International Scientific Journal for Alternative Energy and Ecology and they all will be published in the International Scientific Journal for Alternative Energy and Ecology and "Letters to "Alternative Energy and Ecology". The International team of the Editorial Board of the International Scientific Journal for Alternative Energy and Ecology joins the representatives from 50 countries, it holds great work on selection and review of original papers in the field of alternative energy and ecology, on improvement of topical direction of the Journal, on preparation of international collections of scientific works on the Journal subject areas, on creation of methodical and tutorial manuals, in preparation of Internet version of the papers for the International Scientific Site "Hydrogen" (<http://www.hydrogen.ru/>) and site of the International Scientific Journal "Alternative Energy and Ecology" (<http://isjaee.hydrogen.ru/>), on preparation of complete electronic version for the Scientific Electronic Library (eLibrary.ru) and abstracts for the International Scientific Journal "Letters to "Alternative Energy and Ecology".

Recently the Journal was included into the list of the journals indexed by RISC (Russian Index of Scientific Citation).

In 2000 the Journal was registered in UNESCO, and since October 2005 – in the Ministry for Publishing and Mass Media Communications of Russian Federation. Since 2005 the Journal is annotated by VINITI RAS and international system Ulrich's Periodicals Directory, it is included into the "List of periodic scientific and scientific-technical issues, published in Russian Federation and recommended for publication of the main results of doctoral thesis" VAK RAS. Very often the Editorial Board performs expertise of new scientific projects, completed and scientific and scientific-technical works, it holds international contests for original scientific works, participates in the development of programs and determination of development perspectives of the alternative energy in the regions.

#### **Congress Founders:**

- International Association of Hydrogen Energy
- Institute of Hydrogen Economy (IHE, Sarov, Russia)
- Scientific Technical Centre "TATA" (STC "TATA", Sarov, Russia)

#### **Congress Organizers:**





- International Association of Hydrogen Energy (Miami, USA)
- Institute of Hydrogen Economy (Sarov, Russia)
- Scientific Technical Centre "TATA" (Sarov, Russia)
- National Fund on Development of Small and Medium Entrepreneurship – business partner and executing agency of the Council on Development of Small and Medium Entrepreneurship under the Chairman of the Federation Council of the Federal Assembly of Russian Federation.
- Federal Agency on Atomic Energy of Russian Federation,
- Federal Agency of Science and Innovations of Russian Federation
- Transport Committee of the State Duma of the Federal Assembly of Russian Federation
- Department of Hydrogen Energy Industrial Development of the U.N.O. (UNIDO-ICHET),
- University of Central Florida (USA)
- Voronezh State Technical University (Voronezh, Russia)
- Institute of Problems of Chemical Physics RAS (Chernogolovka, Russia)
- FSUE NKTB "Ferrit" (Voronezh, Russia) and other well-known institutions

**Under support and participation:**

- Federation Council of Federal Assembly of Russian Federation
- State Duma of Russian Federation
- Government of Russian Federation
- Federal Agency on Atomic Energy (Rosatom)
- International Association of Hydrogen Energy (IAHE)
- Department of Hydrogen Energy Industrial Development of the U.N.O. (UNIDO-ICHET)
- Government of Nizhny Novgorod region
- RFNC-VNIIEF
- RNC "Kurchatovsky Institute"
- ICP RAS

**Sponsors**

1. International Association of Hydrogen Energy
2. Scientific Technical Centre "TATA" (Sarov, Russia)





**The following events will take place in the frameworks of the Congress WCAEE-2010:**

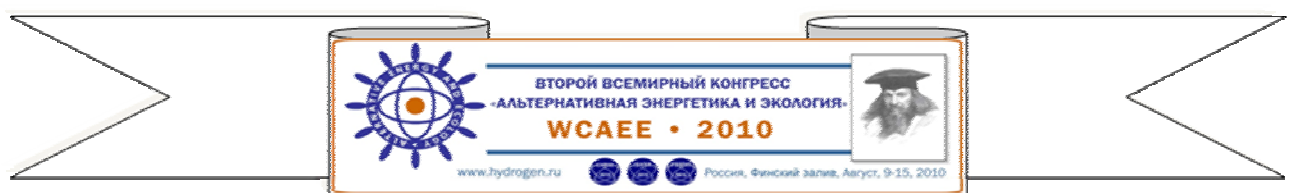
- The First World Symposium "Fundamental and Applied Problems of Modern Wind Energy" ISFAWE-2010
- The Second International Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010
- The Fourth International Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010
- The First International Scientific Conference "Small Innovation Business of Baltic Region Countries".
- "Innovation Collaboration of Baltic Region Countries" ICICB-2010
- The First International Symposium "Hydrogen Sensors and Recombiners" ISHSR-2010
- Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEЕ
- The First World Symposium "Fundamental and Applied Problems of Modern Wind Energy" ISFAWE-2010
- The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010
- Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" AEE-2010

**"Round Table Meetings" on different directions of the alternative energy and ecology will be held in the frameworks of the Congress:**

1. Hydrogen and renewable energy.
2. Fuel elements for transport and energy.
3. Catalysis in alternative energy.
4. Hydrocarbon nanostructures for alternative energy.
5. Role of small and medium business of Russia in development of the alternative energy and realization of ecological programs: experience of regions and municipal governments.
6. Remembrance of D.I.Mendeleev.
7. Joint "Round Table Meeting" devoted to the 10<sup>th</sup> anniversary of the Journals "Alternative Energy and Economy" and "Integral".
8. Development of regulatory base in the area of hydrogen technologies.
9. Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations".

**Main goals of the Congress:**

- definition of the most efficient and rational ways of energy production
- definition of the most efficient and rational ways of hydrogen technologies application for energy production
- exchange of information on directions of collaboration
- discussion of possibilities on joint projects execution on the international level
- demonstration of achievements of scientific and research institutions and enterprises in the field of hydrogen technologies for energy production



*Посвящение*

**The Congress is devoted to the memory of the Great Russian scientist  
Dmitrii Ivanovich Mendeleev (1834–1907).**



Photo by Levitsky (1878)

Dmitrii Mendeleev was born on Feb. 8, 1834, in the Siberian town of Tobolsk. He was the seventeenth and last child of Ivan Pavlovich and Maria Dmitrievna Mendeleev. At the age of 7 Dmitrii entered the gymnasium in Tobolsk and completed his studies in 1849. He displayed brilliant intellectual ability, a sharp memory, and a fascination for mathematics, physics, and geography. The following year he enrolled in the division of mathematical and natural sciences of the Main Pedagogical Institute of St. Petersburg, his father's alma mater.

The universities of Kazan and St. Petersburg were the principal centers of chemical activities in Russia during the first half of the 19th century. Mendeleev worked under Aleksandr A. Voskresenskii, whom the Russians call the grandfather of Russian chemistry. Mendeleev's first scientific paper was "The Analysis of Finnish Allanite and Pyroxene," and his diploma thesis was *On Isomorphism in Connection with Other Relations between Crystalline Forms and Chemical Compositions* (published in 1856 in *Gorny zhurnal*). His studies of the phenomenon of isomorphism led him to observe the similarity of the crystalline structures of related elements, which aided him in constructing the periodic table. When he graduated in 1855, he won the gold medal for being first in his class.

Mendeleev returned to the University of St. Petersburg in May 1856 to defend his thesis, *On Specific Volumes*. The degrees of master of physics and of chemistry were conferred on Mendeleev, and soon thereafter he presented a second thesis, *The Structure of Siliceous Combinations*. This resulted in his being appointed dozent, enabling him to teach theoretical and organic chemistry at the University of St. Petersburg. Toward the end of the 1850s Mendeleev reluctantly came to the conclusion that he would have to study abroad if he desired a professional chair because the research facilities at his university were inadequate.

In 1860 Mendeleev and several other Russian chemists participated in the work of the First International Congress of Chemistry at Karlsruhe. Its purpose was, according to Mendeleev's letter dated Sept. 7, 1860, "to clarify and, if possible, agree on the basic differences which exist between the followers of different chemical schools."

Mendeleev accepted in 1864 the chair of technology (industrial chemistry) at the Technological Institute of St. Petersburg; received his doctorate in chemistry in 1865; filled in 1867 the chair of inorganic chemistry at the University of St. Petersburg, which he retained for the next 23 years; and helped found in 1868 the Russian Chemical Society.





It is difficult to determine precisely when Mendeleev first hit upon the periodic table. The problem of inaccurate atomic weights was solved by Stanislao Cannizzaro. Attempts to organize the chemical elements by increasing atomic weights had already been made by Alexandre Émile Béguyer de Chancourtois and by John Alexander Reina Newlands. It is known that Mendeleev also was impressed with certain regularities of the chemical properties of elements when preparing, in 1868, his highly successful text *Principles of Chemistry*. On March 18, 1869, Mendeleev's paper "An Outline of the System of the Elements, Based on Their Atomic Weights and Chemical Similarities," which contained the periodic table, was presented at the Russian Chemical Society and was subsequently published in Russian and German. In his table Mendeleev left six gaps for the yet-undiscovered elements having the atomic weights of 8, 22, 45, 68, 70, and 180.

Mendeleev also showed a great interest in technology. In 1863 he was immersed in the problems of the Baku petroleum industry. He suggested a pipeline should be built to carry the oil from Baku to the Black Sea. He noted that the system of leasing oil-rich government-owned lands for a 4-year period tended to prevent large-scale investments in needed equipment to modernize operations, and he fought the government tax on petroleum products. In 1876 Mendeleev visited the Pennsylvania oil fields, brought back some technical ideas, and presented an unflattering view of America in his book *The Oil Industry in the North American State of Pennsylvania and the Caucasus*. He developed a theory that petroleum originated from the action of water on metallic carbides inside the earth.

In 1886 Mendeleev turned his attention to agricultural productivity, earning him the reputation of being the founder of Russian agrochemistry. At the request of the Ministry of State Property, Mendeleev examined in 1888 the possibilities of organizing a coal-mining industry in the Donets Basin (Donbas). And in 1899, despite age and infirmity, he traveled to the Urals to investigate the stagnation of the iron industry. In his *The Urals Iron Industry in 1899* he concluded the problem lay with the monopolistic practices of the owners.

While looking into the properties of rarefied gases under varying pressures, Mendeleev designed a differential barometer that could determine precisely the height above sea level. He became fascinated with the problem of studying the upper strata of the atmosphere, and he even went so far as to plan a hermetically sealed gondola that could carry a human observer or automatic recording equipment. On Aug. 7, 1887, Mendeleev had the opportunity to make an ascent in a government balloon for the purpose of observing a solar eclipse. Inasmuch as the balloon lacked the power to lift Mendeleev and his experienced balloonist, Mendeleev bodily ejected the balloonist and carried out a solo flight, rising to an altitude of 11,000 feet and landing two hours later after covering 150 miles. Just before his death, Mendeleev was contemplating a journey to the North Pole by balloon.

In 1890 Mendeleev resigned from the University of St. Petersburg. Soon thereafter he worked for the Admiralty and Ministry of War. In 1892 he was appointed treasurer of the Chamber of Standard Weights and Measures, later becoming its chief. In 1899 he introduced the metric system into Russia.

He visited the Urals and wrote a book with the detailed plan of its industrialization. He thoroughly elaborated a program of reforms in high and middle education with suggestions to cancel examinations. He collaborated with Navy and assisted to open first ship-testing basin, although the ministry refused another his project - icebreaker of his own design to explore Arctic. He wrote excellent popular chapters on miscellaneous topics to Encyclopedia. Furthermore, Mendeleev combined all these activities with significant extension of his *Foundations of Chemistry* (7th edition, 1903). Evolution of his thoughts on the Ether was published in 1902 in the book. He finally turned to the topics of demography, politics and problems of society, and expressed his futuristic and philosophical ideas in the last books.

In 1905 he wrote in the diary: "only four subjects built my name: the Periodic Law, the study of elasticity of gases, understanding of solutions as associates, and the "Foundations of Chemistry". A year later, in his letter to Witte, Mendeleev consi-



dered his life as three services: first - research, second - teaching, and third - less visible service to the national industry. Decades later the physicist Vavilov called him as "physicist in chemistry and chemist in physics".

Mendeleev wrote more than 500 works. He was the World famous scientists: he was elected the member of more than 100 scientific societies and academies of the world except Petersburg Academy. He never received the Nobel prize. After 1904, when the prize was given for the discovery of noble gases - a novel group in the Periodic system - chemists revived the interest to the system creator. Mendeleev was nominated in 1905, but the prize was given to Bayer. Mendeleev was nominated again in 1906, but the prize now was given to Moissan. (Both times Mendeleev was second in the list.) Mendeleev was nominated third time for the year 1907, before the deadline on Jan. 31.

On Feb. 2, 1907 Dmitry Ivanovich Mendeleev died from influenza. Streets were crowded. The funeral procession was headed by students who carried in their hands big Periodic table.



## Congress Topics

### Events of the Second World Congress "Alternative Energy and Ecology" WCAEE-2010 (Russia, St.-Petersburg, 2010)

<b>Opening of the Second World Congress "Alternative Energy and Ecology"</b> <b>WCAEE-2010 (Russia, St.-Petersburg, 2010)</b>  Large Conference Hall (Cinema and concert hall) – Hall №1		
<b>The Second International Conference "Hydrogen and Renewable Sources of Energy"</b> <b>ICHRSE-2010</b> Large Conference Hall – Hall №1		
<ol style="list-style-type: none"> <li>1. History of alternative energy</li> <li>2. Hydrogen energy and transport</li> <li>3. Hydrogen storage and distribution</li> <li>4. Novel technologies of hydrogen production</li> <li>5. Fuels elements</li> <li>6. Hydrogen power facilities and infrastructure</li> <li>7. Hydrogen for buildings, constructions and homes power supply</li> <li>8. Nanotechnologies and new materials for hydrogen energy</li> <li>9. Problems of safety, codes and standards</li> <li>10. Education</li> <li>11. Atomic energy</li> <li>12. Atomic-hydrogen energy</li> </ol>	<ol style="list-style-type: none"> <li>13. Solar energy</li> <li>14. Solar-hydrogen energy</li> <li>15. Wind energy</li> <li>16. Wind-hydrogen energy</li> <li>17. Tidal energy</li> <li>18. Geothermal energy</li> <li>19. Explosive energy</li> <li>20. Ecological and social-economic aspects of alternative energy development</li> <li>21. Legislative base for alternative energy</li> <li>22. Main problems of energy and alternative energy</li> <li>23. Energy of biomass</li> <li>24. Energy of water streams</li> <li>25. Hydro-energy</li> <li>26. Materials for alternative energy</li> <li>27. Carbon nanostructures for alternative energy</li> </ol>	<ol style="list-style-type: none"> <li>28. Information in the field of alternative energy</li> <li>29. Cryogenic transport vehicles</li> <li>30. Use of helium and special materials in transport vehicles</li> <li>31. Economic aspects of alternative energy</li> <li>32. Thermo-gradient energy</li> <li>33. Glacial energy</li> <li>34. Thermonuclear energy</li> <li>35. Utilization of low-potential heat using thermal pumps</li> <li>36. Technologies of combined use of renewable energy sources</li> <li>37. Applied superconductivity in Energy and transport</li> </ol>
<b>The Second International Symposium "Hydrogen Sensors and Recombiners ISHSR-2010"</b> Small Conference Hall – Hall №2  <ol style="list-style-type: none"> <li>1. Problems of safety, codes and standards</li> <li>2. Ensuring of hydrogen systems exploitation safety</li> <li>3. Perspective sensor materials for hydrogen detection</li> <li>4. Perspective hydrogen probes for hydrogen energy</li> <li>5. Hydrogen recombiners</li> <li>6. Technologies of combined use of renewable energy sources</li> </ol>		<b>IV International Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010</b> Small Conference Hall – Hall № 3  <ol style="list-style-type: none"> <li>1. Hydrogen production</li> <li>2. Hydrogen storage and distribution</li> <li>3. Hydrogen energy systems</li> <li>4. Hydrogen transport</li> <li>5. Fuel elements</li> <li>6. Hydrogen economy</li> <li>7. Novel materials for hydrogen energy systems</li> </ol>
<b>Scientific Youth School</b> <b>"Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology"</b> <b>FAQmAE</b>  Medium Conference Hall – Hall №4		<b>The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" - ICICB-2010</b>  Small Conference Hall – Hall №5
<b>Scientific and Technical Exhibition "Alternative Energy and Ecology –</b>		<b>International Scientific Workshop "Alterna-</b>



<p><b>Novel Technical Solutions and Realizations” - AEE-2010</b></p> <p>1- Workroom</p>	<p><b>Alternative energy, ecology and medicine" AEEM-2010</b></p> <p>3-Workroom</p>
<p><b>Exit session</b> Valaam Island</p>	<p><b>Closing of the Congress</b></p>

### Main events venues

#### **Conferences and Plenary Meetings**

Cinema and Concert Hall №1 (240 places) – Plenary meeting, conference

#### **Conferences and Symposiums (four rooms) :**

Large Conference Hall – Hall №2 (150 places)

Medium Conference Hall – Hall №3 (30 places)

Small Conference Hall – Hall №4 (30 places)

Small Conference Hall – Hall №5 (20 places)

#### **Conferences, Exhibitions, Workshops:**

1- Workroom

2- Workroom

3-P Workroom

**Exit session:** Valaam Island

### Official events

Business meetings and negotiations, presentations, exhibition of achievements in the field of hydrogen technologies, and discussions will be held in the frameworks of the Congress

Press-conference will take place on August 9, 2010 at 10 AM in the conference hall of "Baltiys" Hotel. The press-conference will be devoted to the opening of the Second World Congress "Alternative Energy and Ecology".

### **Conception of Congress "Alternative Energy and Ecology"**

Participation of scientists and engineers from 40 countries is planned in the work of the Congress. The program of the Congress will include 500 reports (15 plenary, 135 oral, 350 poster, including distant participation) presented by 250 scientific and industrial institutions. All papers will be published in the International Scientific Journal for Alternative Energy and Ecology - ISJAEE (ISSN 1608-8298) and Five-volume edition "Alternative Energy, ecology and medicine".

#### **Working languages of the Congress and forms of presentations**

**Working languages:** Russian and English

**Forms of presentations:** Oral presentations (Microsoft Power Point), poster presentations.

#### **Organizing Committee of the Congress "Alternative Energy and Ecology" \***

##### **Chairman of the Congress:**

*T.N.Veziroglu*, Prof, President of International Association of Hydrogen Energy, USA, Miami





*Chairman of the Second World Congress – Academician, Prof. Dr. T.N.Veziroglu (in the center)*

**Honorary Chairman of the Congress:**

*Yu.A.Trutnev, Academician RAS, The First Deputy of Scientific Leader of RFNC-VNIIEF, Sarov, Russia*

**Co-chairmen and the Congress:**

*N.N.Ponomarev-Stepnoy – Academician RAS, RNC "Kurchatovsky Institute", Russia (by consent)*

*S.M.Aldoshin – Academician RAS, IPCP RAS, Russia (by consent)*

*A.S.Koroteev – Academician RAS, Keldysh Research Center, Russia, (by consent)*

*A.L.Gusev – Editor-in-chief of the International Scientific Journal for Alternative Energy and Ecology*

**Presidium of the Congress:**

*Chairman of the Presidium – Yu.A.Ryzhov, Academician RAS, Rector IUE, Russia (by consent)*

B.B.Chaivanov, RNC "Kurchatovsky Institute"

M.D.Hampton, Prof., University of Central Florida, USA

A.L.Mikhailov, Director of IFV RFNC-VNIIEF

Yu.K.Zavalishin, RFNC-VNIIEF

L.F.Belovodsky, RFNC-VNIIEF

B.F.Reutov, Ministry of Education and Science, Russia (by consent)

F.N.Pekhota, Ministry of Education and Science, Russia

V.M.Arutunyan, Yerevan State University, academician NAS, Armenia

D.Spazzafumo, President of Italian Hydrogen Association, Italy

B.K. Gupta, India (by consent)

I.E.Ture, Department on Industrial Development, Department of Hydrogen Energy under U.N.O., Director of Sponsoring Programs, Turkey (by consent)

I.F.Kuzmenko, "Kriogenmash", OJC

A.T.Domashenko, "Kriogenmash", OJC

V.A.Goltsov, IAHE, DonNTU, the Ukraine

D.Kleperis, Head of Sensors Laboratory of Solid State Physics Institute, Latvian University, Latvia

A.S.Sigov, Rector of MIREA

P.B.Shelisch, State Duma, President of NAHE

S.G.Konnikov, Director of CKP at A.F.Ioffe PTI

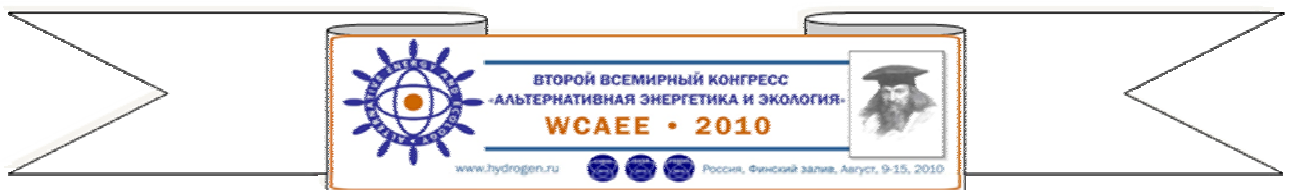
**Organizing Committee of the Congress "Alternative Energy and Ecology"**

International scientific Organizing Committee *	Local Organizing Committee*	Program Committee	Working group
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<p><b>Members of the Committee:</b> S.V.Korobtsev, RNC "Kurchatovsky Institute" Yu.A.Dobrovolsky, IPCP RAS S.P.Kapitsa, academician of European Academy of Sciences, IPP RAS, Russia M.A.Kazaryan, FIAN, Russia V.F.Kamenev, NAMI, Russia Yu.P.Scherbak, Rector of Sarov Physical and Technical Institute N.N.Gerdukov, IEP RFNC-VNIIEF I.N.Kudryavtsev, Kharkov National Automobile and Road university, the Ukraine A.Lazdins, President of Latvian Hydrogen Association Board, Latvia A.G.Chudin, Federal Agency on Atomic Energy RF, Russia G.I.Isakov, Institute of Physics NAS, Azerbaijan Prof. Oleg L. Figovsky, Academician of European Academy of Sciences, Director R&amp;D of INRC Polymate (Israel) and Nanotech Industries, Inc. (CA, USA), Editor-in-chief of the SITA-journal (Israel) and Open Corrosion Journal (UK), Chairman of the UNESCO chair "Green Chemistry". I.G.Khidirov, Institute of Nuclear Physics NAS, Uzbekistan.</p>	<p><b>Chairman:</b> A.L.Gusev, STC "TATA", (IFV) RFNC-VNIIEF <b>Director of the Congress</b> O.V.Ryazanova <b>Organizing Committee:</b> A.V.Yelutin, academician RAS, MISIS, Russia B.A.Sokolov, RSC "Energia" V.I.Kupriyanov, "Kriogenmash", OJS N.G.Sokolov, Chairman of Nature Protection and Nature Management Control Committee of Nizhny Novgorod region A.Ya, Stolyarevsky, Center KORTES A.A.Evdokimov, MIREA G.Khorsanov, Physical-Energy Institute V.P.Pakhomov, RNC "Kurchatovsky Institute" Yu.I.Reutov, Yugra State University A.L.Dmitriev, St.-Petersburg University I.V.Zolotukhin, Voronezh State technical University D.I.Slovetsky, A.V.Topchiev Institute of Petrochemical Synthesis RAS A.M.Domashenko, "Kriogenmash", OJC S.B.Kamensky, Main Specialist of Nature Protection and Nature Management Control Committee of Nizhny Novgorod region Yu.S.Nechaev, I.P.Bardin CNIICHERMET</p>	<p><b>Chairman</b> A.L.Gusev, STC "TATA", (IFV) RFNC-VNIIEF <b>Co-chairman:</b> V.A.Afanasyev, RFNC-VNIIEF <b>Committee:</b> L.F.Belovodsky, RFNC-VNIIEF O.N.Efimov, IPCP RAS Yu.E.Kalinin, Voronezh State Technical University B.P.Tarasov, Institute of Problems of Chemical Physics RAS M.V.Vorobyeva, GIREDMET V.M.Chertov, STC "TATA" A.M.Polyansky, NPK "Electron Beam Technologies", LLC V.P.Scherbak, SarFTI A.V.Strelets, Federal Agency on Science and Innovations RF Yu.N.Shalimov, Voronezh State Technical University S.A.Khudyakov, Institute of Industrial Hydrogen Energy RSC "Energia" B.V.Spitsyn, Scientific Institution of Russian Academy and Sciences, A.N.Frumkin Institute of Physical Chemistry and Electrochemistry V.N.Lobanov, Prof., RFNC-VNIIEF</p>	<p><b>Chairman</b> A.L.Gusev, STC "TATA", (IFV) RFNC-VNIIEF <b>Working group:</b> N.V.Gladyшева T.N.Kondryina, STC "TATA" N.V.Vinogradova, RFNC-VNIIEF M.P.Karpova, RFNC-VNIIEF R.V.Kopylova, STC "TATA" E.V.Kozlova, Center for International Relations RFNC-VNIIEF O.V.Shepel, Center for International Relations RFNC-VNIIEF A.V.Chuvikovskiy, IPK RFNC-VNIIEF T.V.Zezulina, RFNC-VNIIEF N.V.Fotina, STC "TERSI-TELCOM" D.I.Zababurkin, IEP RFNC-VNIIEF, STC "TATA" L.E.Nikishenkova, RFNC-VNIIEF Yu.N.Evdokimov, RFNC-VNIIEF</p>
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\* Specified composition of the International Organizing Committee and the Local Organizing Committee is being formed now. The complete list of the Organizing Committee will be presented in the Fifth Announcement.





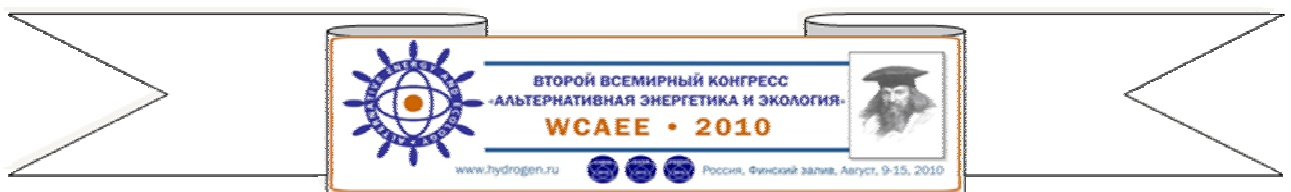
The following events will be held in the frameworks of the Congress  
"Alternative Energy and Ecology":



**Scientific Youth School**  
**"Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology"**  
**FAQmAEE**



- "Introduction to the School Problematic" – lectures (master-class) and review reports of the World leading scientists
- Special lectures on main stages of problems solution from the fundamental issues through the practical realization to the questions and methods of introduction and realization of the objects of alternative energy.
- Practical training in the form of workshops
- Educational tests for participants and issue of International Certificates





**The Second International Conference "Hydrogen and Renewable Sources of Energy"  
ICHRSE-2010**

II International Conference "Hydrogen and renewable Sources of Energy" ICHRSE-2010 is devoted to the **Fifth Anniversary of the International Scientific Site "Hydrogen"**.

**Topic of the Conference:**

- History of alternative energy
- Hydrogen energy and transport
- Atomic energy
- Atomic-hydrogen energy
- Solar energy
- Wind energy
- Tidal energy
- Geothermal energy
- Explosive energy
- Ecological aspects of alternative energy application
- Legislative base for alternative energy
- Main problems of energy and alternative energy
- Energy of biomass
- Energy of water streams
- Hydro-energy
- Carbon nanostructures for alternative energy
- Information in the field of alternative energy
- Cryogenic transport vehicles
- Use of helium and special materials in transport vehicles
- Hydrogen for buildings, constructions and homes power supply
- Economic aspects of alternative energy
- Thermo-gradient energy
- Glacial energy
- Thermonuclear energy
- Utilization of low-potential heat using thermal pumps
- Technologies of combined use of renewable energy sources

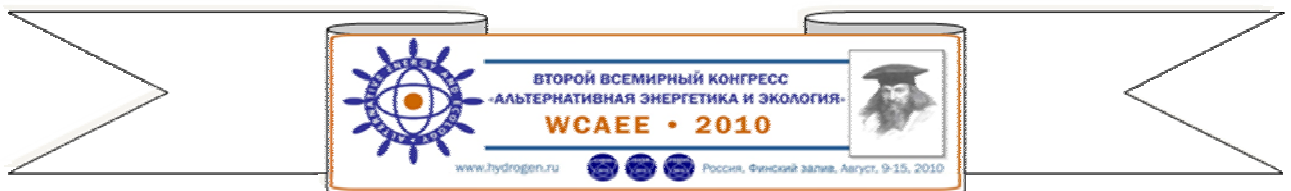
**Organizing Committee of the Conference ICHRSE-2010**

Chairman of the ICHRSE-2010

**D.Spazzafumo, President of Italian Hydrogen Association, Italy (by consent)**

Co-chairmen of the Conference ICHRSE-2010

- A.S.Koroteev, academician RAS, Keldysh Research Center, Russia (by consent)
- Yu.A.Ryzhov, academician RAS, Rector IUE, Russia (by consent)
- E.Lunarska, Institute of Physical Chemistry of the Polish Academy of Sciences, Poland (by consent)
- B.F.Reutov, Ministry of Education and Science, Russia (by consent)







**IV International Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010**  
Consolidation of efforts of the scientists on creation of vehicles having high efficiency coefficient, high characteristics of environmental and technical safety, reliability, economy, and fuel availability is the main task and goal of the Congress.

#### TOPICS OF THE SYMPOSIUM IFSSEHT-2010

1. Hydrogen production
2. Hydrogen storage and distribution
3. Hydrogen energy systems
4. Hydrogen transport
5. Fuel elements
6. Hydrogen economy
7. Novel materials for hydrogen energy systems

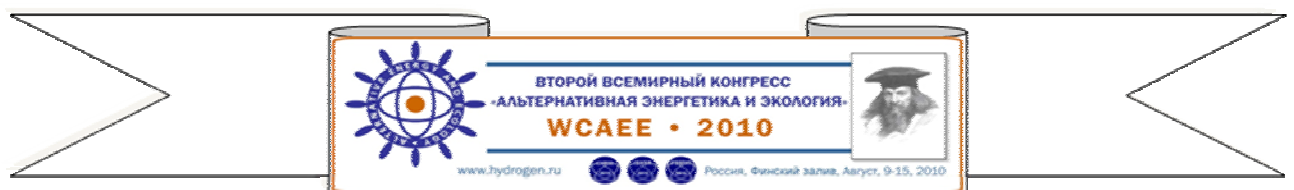
#### Organizing Committee of IFSSEHT-2010

##### Chairman of IFSSEHT-2010

A.L.Gusev, STC "TATA", Institute of Hydrogen Economy, Russia

##### Co-chairmen of the Symposium IFSSEHT-2010

- M.D.Hampton, Prof., University of Central Florida, USA (by consent)
- J. Kleperis, Head of Sensors Laboratory of Institute of Solid State Physics of the University of Latvia, Latvia (by consent)
- B.B.Chaivanov, RNC "Kurchatovsky Institute" (by consent)





## The Second International Symposium "Hydrogen Sensors and Recombiners" ISHSR-2010

Consolidation of efforts of the scientists on creation of the devices ensuring safe hydrogen detection and dehydrogenization is the main task and goal of the Symposium. Detectors operating in a wide temperature, pressure and concentration range, and recombiners will be considered.

### TOPICS OF THE SYMPOSIUM ISHSR-2010

1. Problems of safety, codes and standards
2. Safe exploitation of hydrogen systems
3. Perspective sensor materials for hydrogen detection
4. Perspective hydrogen probes for hydrogen energy
5. Hydrogen recombiners
6. Technologies of combined use of renewable energy sources

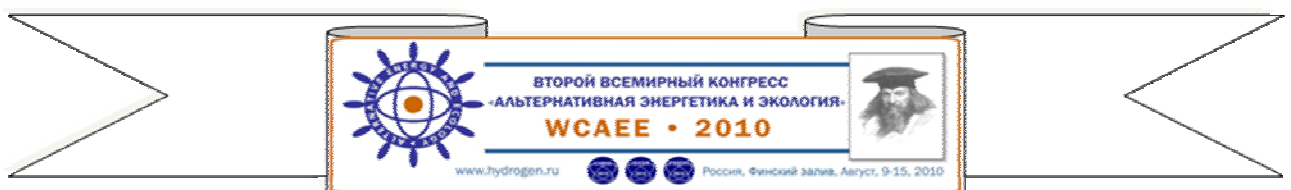
### Organizing Committee of the Symposium ISHSR-2010

#### Chairman of ISHSR-2010

- V.M.Aroutiounian, Yerevan State university, academician of NAS, Armenia

#### Co-chairmen of the Symposium ISHSR-2010

- O.N.Efimov, Institute of Problems of Chemical Physics RAS (IPCP RAS), Russia
- Yu.E.Kalinin, Voronezh State Technical University, Russia





## The first World Symposium "Fundamental and Applied Issues of Modern Wind Energy" ISFAWE-2010

### TOPICS OF THE SYMPOSIUM ISFAWE-2010

**Being discussed**

Organizing Committee of the Symposium ISHSR-2010

Chairman of ISFAWE-2010

Being discussed

Co-chairmen of the Symposium ISFAWE-2010

Being discussed



## The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

### TOPICS OF THE CONFERENCE ICICB-2010

**Being discussed**

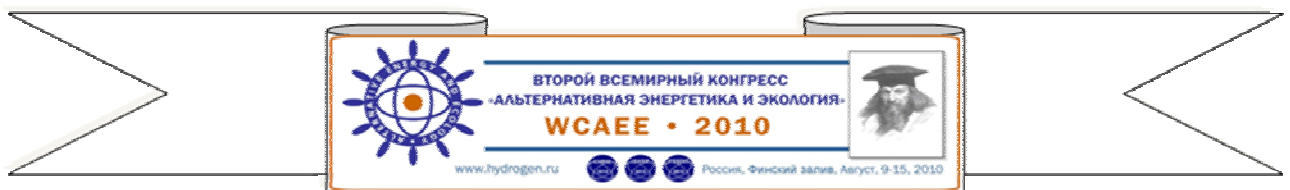
Organizing Committee of Conference ICICB-2010

Chairman of ICICB-2010

Being discussed

Co-chairmen of the Conference ICICB-2010

Being discussed





**Scientific and technical Exhibition**  
**"Alternative Energy and Ecology - Novel Technical Solutions and Realizations"**  
**AEE-2010**

**Being discussed**

**Organizing Committee of the Exhibition**

**Chairman of AEE-2010**

**Being discussed**

**Co-chairmen of the Exhibition AEE-2010**

**Being discussed**

**INTERNATIONAL REVIEWERS BOARD**

**Chairman T.N.Veziroglu (USA, Miami)**

V.M.Aroutiounian (Armenia, Yerevan)  
P.G.Berezhko (Russia, Sarov)  
V.A.Goltsov (the Ukraine, Donetsk)  
L.F.Goltsova (the Ukraine, Donetsk)  
V.F.Gremenuk (Belorussia, Minsk)  
A.L.Gusev (Russia, Sarov)  
I.Dinser (Saudi Arabia, Dhahran)  
A.L.Dmitriev (Russia, St.-Peterburg)  
A.M.Domashenko (Russia, Balashikha)  
O.N.Efimov (Russia, Chernogolovka)  
I.V.Zolotukhin (Russia, Voronezh)  
G.I.Isakov (Azerbaijan, Baku)  
Yu.E.Kalinin (Russia, Voronezh)  
J.Kleperis, (Latvia, Riga)  
V.I.Kupriyanov (Russia, Balashikha)  
Yu.S.Nechaev (Russia, Moscow)  
E.Osawa (Japan, Chiba)  
V.A.Pavlovtsev (Belorussia, Minsk)  
A.T.Ponomarenko (Russia, Moscow)  
P. Saint-Gregoire (France, Toulon-Var)  
L.V.Spivak (Russia, Perm)  
A.Ya.Stolyarevsky (Russia, Moscow)  
E.M.Tararaeva (Russia, Moscow)  
B.P.Tarasov (Russia, Chernogolovka)  
P.V.Fursikov (Russia, Chernogolovka)  
G.L.Khorsanov (Russia, Obninsk)  
M.D.Hampton (USA, Orlando)  
S.A.Khudyakov (Russia, Korolev)  
I.P.Chernov (Russia, Tomsk)  
G.G.Shevyakov (Russia, Balashikha)  
Yu.M.Shulga (Russia, Chernogolovka)  
J.Shoonman (Netherlands, Delft)



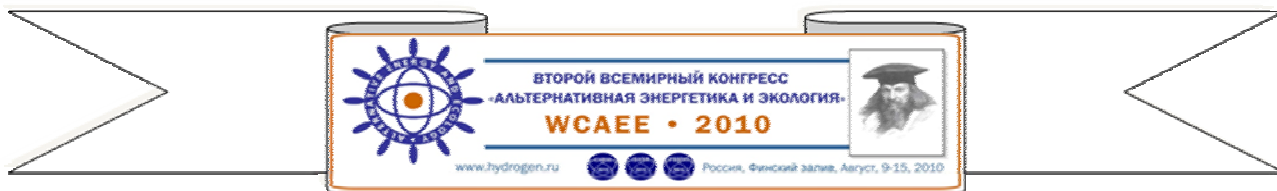
НАУЧНО-ТЕХНИЧЕСКИЙ ЦЕНТР «ТАТА» (ООО НТЦ «ТАТА»)  
А/я 687, г. Саров, Нижегородская область, Россия, 607183  
SCIENTIFIC TECHNICAL CENTRE "TATA" (STC "TATA")  
Post Office Box 687, Sarov, Nizhny Novgorod region, Russia, 607183



## INTERNATIONAL EXPERT BOARD

Chairman L.F.belovodsky (Russia, Sarov)

V.M.Aroutiounian (Armenia, Yerevan)	B.P.Tarasov (Russia, Chernogolovka)
A.L.Dmitriev (Russia, St.-Petersburg)	N.N.Gerdukov (Russia, Sarov)
A.M.Domashenko (Russia, balashikha)	I.F.Kuzmenko (Russia, Balashikha)
O.N.Efimov (Russia, Chernogolovka)	V.A.Goltsov (the Ukraine, Donetsk)
V.A.Butuzov (Russia, Krasnodar)	







## SCHEDULE OF THE SECOND WORLD CONGRESS "ALTERNATIVE ENERGY AND ECOLOGY"

### August 08 Arrival

10.00 -18.00 - Registration

### August 09

6:00 – 10:00 – Registration

10:00 – 10:30 – Opening ceremony

10:30-11.00 – Coffee-break

10:30 – 12:30 – **Plenary meeting**

13:00 – 14:00 – Lunch

14:00 – 15:00 – Accommodation, rest

15:00 – 16:30 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

Hall 4. The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

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**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

18:30 – 19:30 – Dinner

19:30 – 22:00 – **Round table meetings:**

1. Hydrogen and Renewable Energy. **Workroom № 1.**

2. Fuel Elements for Transport and Energy. **Workroom № 3.**

22:00 – Get-together party

### August 10

8:00 – 9:00 – Breakfast

9:30 – 13:00 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

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13:00 – 14:00 – Lunch

14:00 – 16:00 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-

FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

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**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 18.30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-

FAWE-1020

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18:30 – 19:30 – Dinner

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

### August 11

8:00 – 9:00 – Breakfast

9:30 – 13:00 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE.

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-

FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

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14:00 – 16:00 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-

FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE



**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 18.30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

18:30 – 19:30 – Dinner

19:30 – 22:00 – Round table meetings:

3. Catalysis in alternative energy. **Workroom № 1.**

4. Carbon nanostructures for alternative energy. **Workroom № 3.**

Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010. **Рабочее помещение №2.**

#### August 12

8:00 – 9:00 – Breakfast

9:30 – 12:30 – - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

13:00 – 14:00 – Lunch

14:00 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010



Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

18:30 – 19:30 – Dinner

19:30 – 22:00 – Round table meetings:

5. Joint "Round Table Meeting" devoted to the 10<sup>th</sup> anniversary of the Journals "Alternative energy and Ecology" and "Integral". **Workroom № 1.**

Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010. **Workroom №2.**

22:00 – 24:00 - Banquet

### August 13

8:00 – 9:00 – Breakfast

9:30 – 12:30 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

13:00 – 14:00 – Lunch

14:00 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1. Workroom № 2.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

18:30 – 19:30 - Dinner

19:30 – 22:00 – Round table meetings:

6. Role of small and medium business of Russia in development of the alternative energy and realization of ecological programs: experience of regions and municipal governments.

7. Remembrance of D.I.Mendeleev.





#### August 14

8:00 – 9:00 – Breakfast

9:30 – 12:30 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEЕ

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

13:00 – 14:00 – Lunch

14:00 – 16:00 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEЕ

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Workroom №1.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-  
**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010

18:30 – 19:30 - Diner

19:30 – 22:00 – Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations"

#### August 15

8:00 – 9:00 – Breakfast

9:30 – 12:30 – **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEЕ

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEEM-2010





13:00 – 14:00 – Lunch

14:00 – 18:30 - **Meetings:**

Hall 1. Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010

Hall 2. Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010

Hall 3. The Second International Symposium "hydrogen Sensors and Recombiners" ISHSR-2010

Hall 4. The First World Symposium "Fundamental and Applied and Applied Problems of Modern Wind Energy" IS-FAWE-1020

**Small conference hall №5.** The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010

**Workroom №1.** Scientific Youth School "Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology" FAQmAEE

**Workroom №2.** Scientific and Technical Exhibition "Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010

**Workroom №3.** International Scientific Workshop "Alternative Energy, Ecology, and Medicine" AEM-2010

16:00 – 16:30 – Coffee-break

16:30 – 19:00 – Closing ceremony, presentation with medals, acceptance of final declaration

21:00 – Exit tour on Valaam Island on board the ship (there are two variants: one-day tour or two-days tour).





### Invited speakers and talks announced for the Congress WCAEE-2010

№ п/п	Name of the speaker	Institution	Title (topic) of the talk
1.	<b>T.N.Veziroglu</b>	President of International Association of Hydrogen Energy, Director of Pure Energy of Miami University	Peace and Prosperity through Hydrogen Economy, Sustainability & World Federation
2.	<b>V.E.Fortov</b>	Joint Institute for High Temperature of RAS Tel: 8495 938 1814 Fax: 7 496 52 49 472 E-mail: <a href="mailto:fortov@ficp.ac.ru">fortov@ficp.ac.ru</a>	Explosive Energy
3.	<b>Abdulakhatov M.K.</b> <sup>1</sup> , <b>Bartenev S.A.</b> <sup>1</sup> , <b>Goihman M.Ya.</b> <sup>2</sup> , <b>Gribanov A.V.</b> <sup>2</sup> , <b>Guselnikov V.Ya.</b> <sup>3</sup> , <b>Zykov M.P.</b> <sup>1</sup> , <b>Sazanov Yu.N.</b> <sup>2</sup> , <b>Firsin N.G.</b> <sup>1</sup>	<sup>1</sup> FSUE NPO V.G.Khlopin Radium Institute, St.-Petersburg, <a href="mailto:bartenev@khlopin.ru">bartenev@khlopin.ru</a> <sup>2</sup> Institute of Macromolecular Compounds, St.-Petersburg <sup>3</sup> Petersburg Nuclear Physics Institute RAS, Gatchina	Carbon structures for environment insulation against radioactive and other hazardous wastes
4.	<b>E.P.Prokopiev</b>	Federal State Unitary Entity “State Scientific Center of Russian Federation – A.I.Alikhanov Institute of Theoretical and Experimental Physics”, 25 B.Cheremushkinskaya St., Moscow, 117218, Russia +7(495)5311104, E-mail: <a href="mailto:spep@pochta.ru">spep@pochta.ru</a> ; <a href="mailto:eppropkopiev@mail.ru">eppropkopiev@mail.ru</a>	Development perspectives of physics, chemistry, and antimatter technology problem.
5.	<b>B.V.Spitsyn</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	Modification of nonadiamond for the purposes of alternative energy [Carbon nanostructures]
6.	<b>Dr. Aldo Steinfeld</b>	Department of Mechanical and Process Engineering Institute of Energy Technology ETH-Swiss Federal Institute of Technology ETH-Zentrum, CH-8092 Zurich. Switzerland. Email: <a href="mailto:aldo.steinfeld@eth.ch">aldo.steinfeld@eth.ch</a>	Hydrogen production
7.	<b>Dr. D. Yogi Goswami</b>	Professor and Co-Director Clean Energy Research Center Department of Chemical Engineering University of South Florida 4202 East Fowler Avenue, ENB118 Tampa, FL 33620, U.S.A. Phone: (813) 974-0956 Fax: (813) 974-5250 Email: <a href="mailto:goswami@eng.usf.edu">goswami@eng.usf.edu</a>	Production from biomass



8.	<b>Dr. Jo-Shu Chang</b>	Distinguished Professor Department of Chemical Engineering National Cheng Kung University Tainan 701, Taiwan Phone: +886-6-2757575 ext 62651 Fax: +886-6-2357146 or +886-6-2344496 Email: changjs@mail.ncku.edu.tw or joshuchang@yahoo.com.tw	Biological H <sub>2</sub> production
9.	<b>Prof. Nazim Z. Muradov</b>	Principal Research Scientist University of Central Florida 1679 Clearlake Road Cocoa, Florida 32922-5703, USA Phone: (321) 638-1448 Email: <a href="mailto:Muradov@fsec.ucf.edu">Muradov@fsec.ucf.edu</a>	Production from fossil fuels
10.	<b>Dr. Paul A. Erickson</b>	Director, Hydrogen Production and Utilization Laboratory Department of Mechanical and Aeronautical Engineering University of California, Davis Davis, CA 95616-5294, U.S.A. Voice: 530-752-5360 Fax: 530-752-4158 Email: <a href="mailto:paerickson@ucdavis.edu">paerickson@ucdavis.edu</a>	Hydrogen production
11.	<b>Dr. Paul A. Erickson</b>	Director, Hydrogen Production and Utilization Laboratory Department of Mechanical and Aeronautical Engineering University of California, Davis Davis, CA 95616-5294, U.S.A. Voice: 530-752-5360 Fax: 530-752-4158 Email: <a href="mailto:paerickson@ucdavis.edu">paerickson@ucdavis.edu</a>	Hydrogen production
12.	<b>Dr. Sesha S. Srinivasan</b>	Senior Research Scientist University of South Florida 4202 East Fowler Avenue, ENB118 Tampa, FL 33620, U.S.A. Phone: (813) 974-0759 Fax: (813) 974-5250 Email: <a href="mailto:sesha@eng.usf.edu">sesha@eng.usf.edu</a>	Hydrogen storage in hydrides

13.	<b>Dr. Michael A. Matthews</b>	Professor and Chair Chemical Engineering University of South Carolina 301 Main St. Columbia, SC 29208, U.S.A. Phone 803.777.0556 Fax 803.777.8265 Email: <a href="mailto:matthews@engr.sc.edu">matthews@engr.sc.edu</a>	Hydrogen storage in hydrides
14.	<b>Dr. Hirohisa Uchida</b>	Department of Research Promotion Graduate/Undergraduate Schools of Engineering Tokai University	Hydrogen storage in hydrides



		Kita-Kanami, Hiratsuka Kanagawa 259-1292, Japan, Email: <a href="mailto:huchida@keyaki.cc.u-tokai.ac.jp">huchida@keyaki.cc.u-tokai.ac.jp</a>	
15.	<b>Dr. Kevin L. Klug</b>	Concurrent Technologies Corporation 3036 Gillespie St. Fayetteville, NC 28306, U.S.A. Phone Number: (910) 437-9904 Fax Number: (910) 435-0958 Email: <a href="mailto:KlugK@ctc.com">KlugK@ctc.com</a>	Gaseous storage
16.	<b>Dr. Salvador Aceves</b>	Lawrence Livermore Nat. Lab., 7000 East Avenue Livermore, CA 94550, USA Email: <a href="mailto:aceves6@llnl.gov">aceves6@llnl.gov</a>	Gaseous storage
17.	<b>Mr. John Coursen</b>	Structural Composites Industries 325 Enterprise Place Pomona, CA 91768 Phone Number: 909 444 2503 Fax Number: 909 444 3333 Email: <a href="mailto:jcour sen@harsco.com">jcour sen@harsco.com</a>	Gaseous storage
18.	<b>Dr. Ron C. Lee</b>	Linde Gas The Linde Group 100 Mountain Avenue Murray Hill, NJ 07974, U.S.A. Phone Number: 908-771-6244 Email: <a href="mailto:ron.lee@linde.com">ron.lee@linde.com</a>	Liquid storage
19.	<b>Dr. John A. Barclay</b>	Chief Technology Officer Prometheus Energy Company Technology Division 3311 South 120th Place, Suite 100 Seattle, Washington 98168, U.S.A. Phone 206 267-0804 Fax 206 267-0801 Email: <a href="mailto:jbarclay@Prometheus-Energy.com">jbarclay@Prometheus-Energy.com</a>	Liquid storage
20.	<b>Dr. Andrei V. Tchouvelev</b>	A.V.Tchouvelev & Associates Inc. 6591 Spinnaker Circle Mississauga, ON L5W 1R2 Canada Phone Number: (416) 464-5888 Fax Number: (905) 696-7007 Email: <a href="mailto:atchouvelev@tchouvelev.org">atchouvelev@tchouvelev.org</a>	Safety, codes and standards
21.	<b>Dr. Michael R. Swain</b>	Associate Professor and Associate Chair Department of Mechanical and Aero- space Engineering University of Miami 1251 Memorial Drive, EB#224 P.O. Box 248294 Coral Gables, Florida 33124, U.S.A. Tel/Fax: 1.305.284.3321 <a href="mailto:mswain@eng.miami.edu">mswain@eng.miami.edu</a>	Safety, codes and standards
22.	<b>Dr. Nathan D. Marsh</b>	Fire Research Division National Institute of Standards and Tech- nology	Safety, codes and standards



		100 Bureau Drive Stop 8664 Gaithersburg, MD 20899, U.S.A. Phone Number: 301.975.5441 Email: nathan.marsh@nist.gov	
23.	<b>Les Shirvill</b>	Major Hazards Management Shell Global Solutions (UK) Shell Technology Centre Thornton P.O. Box 1, Chester, CH1 3SH United Kingdom Phone Number: +44 151 373 5862 Email: Les.Shirvill@shell.com	Safety, codes and standards
24.	<b>Dr. Jay Keller,</b>	Sandia Nat. Lab. PO Box 5800 Albuquerque, NM 87185, USA E-mail: jokelle@sandia.gov	Safety, codes and standards
25.	<b>Dr. Amgad Elgowainy</b>	Center for Transportation Research Argonne National Laboratory 9700 S Cass Ave, Argonne, IL 60439, U.S.A. Phone Number: 630/252-3074 Fax Number: 630/252-3443 Email: aelgowainy@anl.gov	Hydrogen infrastructure
26.	<b>Mark D. Paster</b>	Hydrogen, Fuel Cells and Infrastructure Program U.S. Dept. of Energy, Energy Efficiency & Renewable Energy 1000 Independence Ave. Washington, DC 20585, U.S.A. Phone Number: 202-586-2821 Email: mark.paster@ee.doe.gov	Hydrogen infrastructure
27.	<b>Britta Gross</b>	General Motors Corporation 30500 Mound Rd Warren, MI 48090- 9055, U.S.A. Phone Number: 586-986- 7469 Fax Number: 586-986-0412 Email: britta.gross@gm.com	Hydrogen infrastructure
28.	<b>Dr. Martin Weilenmann</b>	Deputy head I.C. Engines laboratory Empa Duebendorf, ZH 8600 Switzerland Phone +41 44 823 46 79 Fax +41 44 823 40 44 Email: martin.weilenmann@empa.ch	Hydrogen infrastructure
29.	<b>Anatoly M.Domashenko</b>	"Kriogenmash" OJC, Main Specialist, head of department, Ph.D.	Hydrogen energy and transport
30.	<b>Victor I.Prigozhin</b>	Director of Testing Facility, KBHA OJC, Ph.D.	On hydrogen sulphide application as alternative fuel in power plants of turbine type.
31.	<b>Valery N.Zaboristov</b>	"Efremov Plant of Synthetic Rubber", OJC, Head of Central laboratory, Dr.	Global hydrogen helio-bio-energy
32.	<b>Mikhail R.Tarasevich, Leading scientist, Dr.</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	Modern cathode catalysts and fuel elements with their application
33.	<b>Vera</b>	Scientific Institution of Russian Acade-	Bio-electro-catalysts and perspectives of





	<b>A.Bogdanovskaya, Leading Scientist, Ph.D.</b>	my of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	bio-fuel elements creation on their basis
34.	<b>Olga V.Lofovaya, Junior scientist</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	O.V.Lofovaya, M.V.Radina, L.N.Kuznetsova, V.A.Bogdanovskaya Tri-metal catalysts for fuel elements with proton-conducting polymer electrolyte
35.	<b>Natalia A.Kapustina, Scientist, Ph.D.</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	N.A.Kapustina, P.V.Mazin, M.R.Tarasevich Modern cathode catalysts for alkaline fuel elements, synthesized without platinum and platinum metals
36.	<b>Alexander D.Modestov, Leading scientist, Ph.D.</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	A.D.Modestov, M.R.Tarasevich, V.Ya.Filimonov Development of hydrogen concentrator based on FC.
37.	<b>O.V.Korchagin, post-graduate student</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	High-efficient catalysts for direct oxidation of ethanol, formed on nanotubes
38.	<b>Alexey V.Kuzov, post-graduate student</b>	Scientific Institution of Russian Academy of Sciences – A.N.Frumkin Institute of Physical Chemistry and Electrochemistry	A.V.Kuzov, A.D.Modestov, V.Ya.Filimonov, E.Davydova New catalysts for fuel elements with ethanol direct oxidation
39.	<b>Eugeny P.Novozhilov</b>	Saratov State technical University, post-graduate student of chemistry department	Electrolytic capacitor based on solid electrolyte (fuel element)
40.	<b>Ganapy A.Akhmedov, Associate professor, Ph.D.</b>	Institute of Problems of Geothermics	On problem of formation and dissolution of sediments in geothermal systems

The table weekly replenishes with the information on the Reports included in the Program

The Congress organizers made a lot of efforts to involve Russian and foreign representatives in the work of the Second World Congress "Alternative Energy and Ecology". A comprehensive program of practical events on introduction of new technologies of the alternative energy and ecology, including the sphere of solar-hydrogen, wind-hydrogen energy, atomic-hydrogen energy, geothermal-hydrogen energy, and also the ecological aspects of application of the alternative energy, legislative base of the alternative energy, innovation in the alternative energy, use of biomass, energy of water streams, creation of novel construction materials for the alternative energy, economic aspects of the alternative energy, thermonuclear energy, has been planned.

The Organizing Committee of the Congress predicts conclusion and signing the contracts between the interested participants on creation and use of new projects and items on an amount of about 1 billion rubles.

The Program of the Congress is aimed at realization of an innovation breakthrough of Russia in the energy at the expense of application of new facilities of ecologically clean renewable energy sources.

The Second world Congress "Alternative Energy and Ecology" will start working from August 9, 1020 in "Baltiys" Hotel, located on the seaside of Finsky Bay. The event will be held 7 days. The closing ceremony will take place on Sunday August 15, 2010.

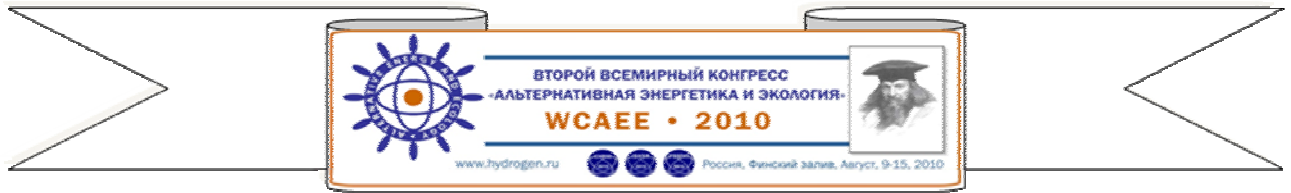
There will be four sessions: in large, middle, small № 1, small № 2 conference halls of the "Baltiys" Hotel.

Discussions on the presented papers will be carried out at the end of the work of each session.

The Round Tables Meetings will be held after dinner in small and middle conference halls of "Baltiys" hotel.

Social program of the Congress includes tours to Petergof, Pavlovsk, Tsarskoye Selo, Vyborg, Kronshadt, Valaam Island; tours on literary places of Karelian Neck and Night St.-Petersburg.

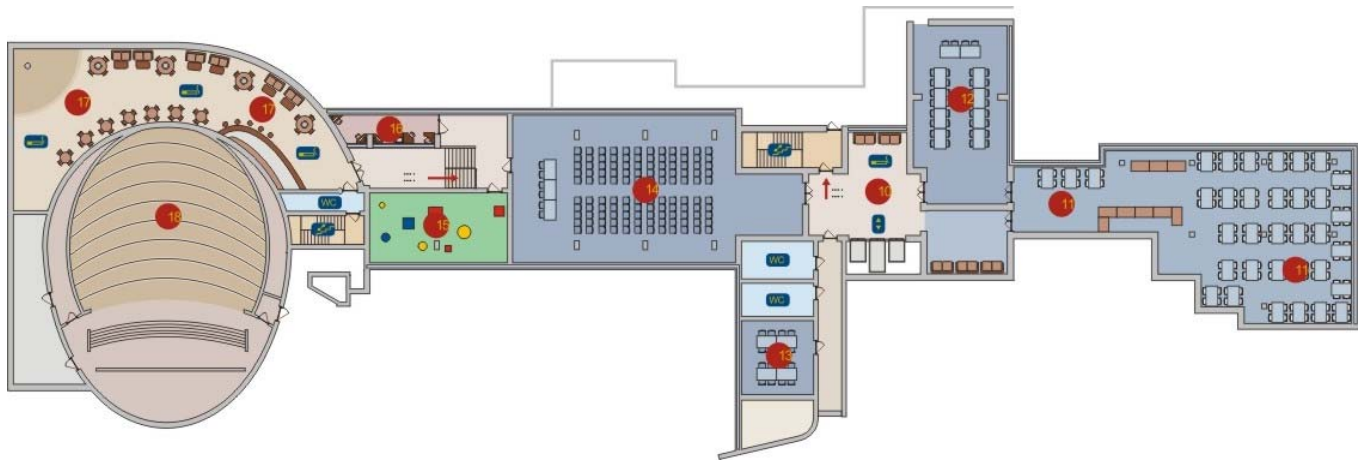
Information on the Congress work could be obtained at the Organizing Committee of the Second World Congress "Alternative Energy and Ecology" WCAEE-2010.



## **"Baltiets" Hotel is the venue of the Congress WCAEE-2010**

1. Rooms of different comfort categories from "eurostandard" to "penthouse", located on the 12<sup>th</sup> floor with Finsky Bay view.
2. Full Board meal
3. Conference halls:
  - Cinema-concert hall for 240 places.
  - Large hall for 100-150 places.
  - Middle hall for 60-80 places.
  - Small hall №1 for 15-20 places,
  - Small hall for №2 for 30-40 places.
4. Equipment for the conference halls
5. Swimming pool 25 meters, Finnish sauna, Turkish bath
6. Outdoor sports grounds
7. Sporting equipment for hire
8. Billiard Club
9. Restaurant and Bar
10. Night dance floor on Friday and Saturday
11. Organization of tours, transfer, concerts, equipment for simultaneous translation





- №18 - Cinema-concert hall (240 places)
- №17 - Cinema hall lobby
- №16 - Service center (Organizing Committee Headquarters)
- №15 - Small conference hall №2 (30 places)
- №14 - Large conference hall (100-150 places).
- №13 - Small conference hall №2 (15-20 places)
- №10 - Lobby.
- №12 - Middle conference hall (60 places).
- №11 - Buffet (200 places)

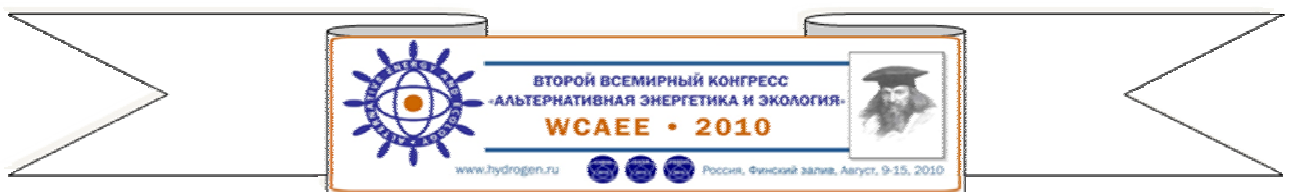






### Social program

There are 21 employees responsible for organization of the social program. The social program will be interesting for both Russian and English speaking participants of the Congress. Some numbers will be performed in English.

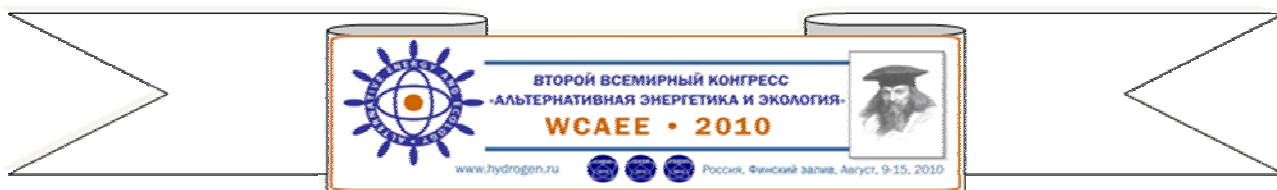




### Information for foreign visitors

#### Passport and visas

A foreign citizen entering Russia must have a valid passport. The passport must be valid 6 months after the date of departure from Russia. The visa is issued on the basis of the official invitation, signed in the Russian Embassy or Consulate Department by the representative of the Minister of Foreign Affairs of Russian Federation. Official invitation will be sent to the participant of the Congress as soon as the participant fills in the Registration form and send the copies of the first pages of the passport, containing all personal data about the citizen, to the Organizing Committee. This information should be received by the Organizing Committee not later than May 31, 2010. The passport copy should be sent by fax or mail. The participant should apply for the Russian visa immediately after receipt of the invitation (fax, e-mail). We would like to ask the participants of the Symposium to follow these recommendations.







## Arrangement fees of the Congress participants and companions

### I. Arrangement fee of the Congress participants and conditions of return

Arrangement fee of a participant is 250 Euros (paid before March 31, 2010), 300 Euros (paid before April 30, 2010), 350 Euros (paid before May 31, 2010), and 400 Euros (paid after May 31, 2010). Registration fee of a companion is 110 Euros, and 60 Euros (for young companions of 14-18 years old), 200 Euros for post-graduate students (paid before May 31, 2010), 250 Euros for post-graduate students (paid after May 31, 2010).

#### The Arrangement Fee of the Second World Congress "Alternative Energy and Ecology" – 2010 includes:

- Lease of the conference halls and equipment;
  - Publication of abstract book in English or Russian (upon the participant's request);
  - Issue of the Journal with the abstracts of papers of the International Scientific Journal for Alternative Energy and Ecology (6 issues) or CD-version (upon the participant's request);
  - Participants' file with Congress souvenirs (pins, badges, notebooks, pens, plastic bags with Conference logo, cups, caps, etc.);
  - Information materials on the Congress including tour materials;
  - Payment for services of:
    - local organizing committee, its headquarter and work group;
    - security service;
    - editorial group of abstracts publication;
    - editorial group of papers publication (each participant will receive the issue of the International Scientific Journal for Alternative energy and ecology with published paper);
    - group of interpreters;
    - group of photographers – (after the Congress each participant will be able to order photo-audio materials at extra cost);
    - lease of equipment for simultaneous translation, audio-photo-video recording, communication equipment;
    - Social program
- In case of cancellation of participation in the Congress the Arrangement fee will be returned in the following amount:
- before May 1, 2010 – 100%;
  - before June 1, 2010 – 85%;
  - before August 9, 2010 – 50%.

### II. Cost of Accommodation (voucher)

#### Cost of accommodation in "Baltiets" Hotel

Room type	Room cost (Rubles/day), double / single		
	Bed and breakfast (BB)	Half board (HB)	Full board (FB)
Main building, building № 1			
Double room "standard"	2200/1950	2600/2150	3000/2350
Triple room "standard"	3000	3600	4200
Double room "eurostandard"	3600/3350	4000/3550	4400/3750
Suite (Building 1)	3300/3050	3700/3250	4100/3450
Luxe (Building 1)	3500/3250	3900/3450	4300/3650
Luxe "eurostandard"	4850/4600	5250/4800	5650/5000
Luxe "comfort"	5150/4900	5550/5100	5950/5300
Extra bed	1300	1500	1700
Captain's cottage			



Luxe, 1 room	3500/3250	3900/3450	4300/3650
Luxe, 2 rooms	4400/4150	4800/4350	5200/4550
Luxe, 2 rooms with kitchen	4500/4250	4900/4450	5300/4650
Extra bed	1000	1500	1700
<b>Penthouse</b>			
Love-luxe	7200/6950	7600/7150	8000/7350
Studio	9700/9450	10100/9650	10500/9850
President room	9200/8950	9600/9150	10000/9350
Extra bed	1600	1800	2000
<b>Burevestnik</b>			
Room type	Room cost (Rubles/day), double / single		
	Bed and breakfast (BB)	Half board (HB)	Full board (FB)
Room cost (Rubles/day), double / single			
Double room 2 cat.	1 980 / 1 730	2 380 / 1 930	2 780 / 2 130
Triple room 2 cat.	2 820	3 420	4 020
Triple room 1 cat. with TV	3 170	3 770	4 370
Double room 1 cat. with TV	2 430 / 2 180	2 830 / 2 380	3 230 / 2 580
Luxe, 1 room	2 680 / 2 430	3 080 / 2 630	3 480 / 2 830
Luxe, 2 room	3 380 / 3 130	3 780 / 3 330	4 180 / 3 530
Additional place	770	970	1 170

**II. Banquet.** Participation in the banquet - **35 Euro.**

**IV. Insurance.** Mandatory insurance – **15 Euro.**

**V. Tours (tickets could be purchased during the Congress)**

**1. One-day tour on "Meteor" hydrofoil from Priozersk to Valaam Island**

Bus departure at 7:30 from St.-Petersburg "Ozerki" subway station (trip time is 3 hours)

"Meteor" departure from Priozersk to Valaam (trip time is 1 hour 15 min)

**2. Tour to Valaam Island:**

- Tour to the Central Estate of Valaam monastery
- Concert of church songs
- Lunch

Spare time. "Meteor" departure from Valaam Island, Monastery Bay.

Total time on Valaam Island is 6 hours

Arrival of the bus to St.-Petersburg is about 23:00

**Cost of the tour is 4500 Rubles per person**



## **2. One-day tour on "Meteor" hydrofoil from St.-Petersburg to Valaam Island**

08.00– boarding on "Meteor" in St.-Petersburg  
Trip time from St.-Petersburg to Valaam Island is 4 hours  
Arrival to Valaam Island  
Tour to the Central Estate  
Tour to "Nikolsky Skit"  
Spare time  
Half-board meals on "Meteor" board (lunch-box)  
Arrival to St.-Petersburg is about 22:00  
**Cost of the tour is 6100 Rubles per person**

## **3. Exit session of the Congress to Valaam Island on board the ship (1 day/2 nights)**

20.00 – departure from St.-Petersburg on board the ship  
Night on board the ship  
Arrival to Valaam Island  
Tour to the Central Estate  
Tour to "Nikolsky Skit"  
Spare time  
20.00 – Ship departure from Valaam Island  
Night in board the ship  
08.00 – Arrival to St.-Petersburg  
Cost of the tour includes: meals on board, excursions, social program on board  
**Cost of the tour is 6100-14000 Rubles per person (depending on a day of a week and class of a cabin)**  
**The prices are actual for cash payment. Please add 18% VAT at non-cash payment**



**VI. Meals.** Included into the cost.

**VII. Visa support** (for foreign guests) - **100 Euro** (paper work of the Ministry of Internal Affairs of RF – **up to 50 Euro** + express mail (1-5 days) – delivery of the Formal Invitation to the Congress participants – **up to 50 Euro** for visa application submission in the Consulate Department or Embassy of Russian Federation).

**VIII. Additional Services.** Meeting in the St.-Petersburg and transfer to "Baltiys" Hotel – **100 Евро.**

*P.S. Please, make take care of the hotel reservation in advance if you plan to arrive to St.-Petersburg before the beginning of the Congress!*

**Bank requisites for the Registration fees and other payments to participate in the Congress.**

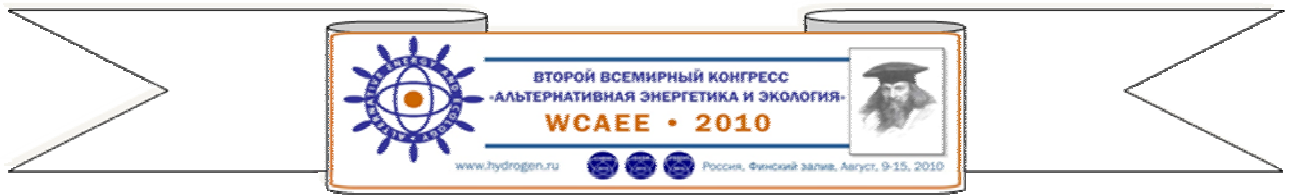
**In Roubles**

Получатель: ИНН 5254022656 КПП 525401001 ООО НТЦ «ТАТА»  
г. Саров Нижегородской обл. а/я 687  
Р/с: 40702810900000001679  
Банк: ОАО «АКБ Саровбизнесбанк» г. Саров  
БИК: 042204721  
К/с: 30101810200000000721

**In foreign currency**

STC "TATA" Limited  
ACC: 40702840200001001681  
BEN. BANK: SAROVBUSINESSBANK, SAROV, RUSSIA  
CORR. ACC USD: 30109840300000000142  
CORRESP. BANK: ALFA-BANK, MOSCOW, RUSSIA, SWIFT: ALFARUMM  
CORR. ACC USD: 400927098 with "CHASE MANHATTAN BANK", NEW YORK, N.Y.10004, USA. SWIFT: CHA-SUS33  
PAYMENT FOR: ARRANGEMENT FEE FOR PARTICIPATION OF "NAME, SURNAME" IN THE SECOND WORLD CONGRESS "ALTERNATIVE ENERGY AND ECOLOGY" – WCAEE-2010, NO VAT





## Attachment № 2

### Statue of a Participant of the Second World Congress "Alternative Energy and Ecology" WCAEE-2010 (August 9-15, 2010, St.-Petersburg, Russia)

#### 1. General Provisions

1.1. This Statue determines a legal status, rights and duties, and registration order of the participants of the **Second World Congress "Alternative Energy and Ecology" WCAEE-2010 (further the Congress)**.

1.2. The following notions are used in the given Statue:

– "Participant" – the representative of a legal entity arrived to the Congress and registered as a Participant in accordance with the procedure established in the Statue.

– "Arrangement fee" for the participation in the Congress – is a voluntary contribution – payment for the package of information materials, souvenirs with the Congress logo, work of the Local Organizing Committee on preparation and holding of the Congress, services of the group of interpreters, photographers, lease of equipment that is necessary for the work of the Congress, social program, security services.

– "Registration fee" – payment for accommodation, insurance, meals, tax.

– "Registration" – legalization of the representative of the legal (or individual) entity as the Congress Participant.

1.3. Registration is carried out by means of entry the following data into the Congress database:

– Name of the representative of the legal or individual entity;

– title of the legal entity;

– legal address of the institution;

– position of the representative of the legal entity;

– other brief information about the Participant.

The Organizing Committee reserves the right to request other information about the Participant

#### 2. Status of the Congress Participant

The status of the Congress Participant is given to the following categories of persons:

2.1. Official persons, who expressed the desire to participate in the work of the congress in written way and paid the Registration and Arrangement fees:

– leaders and deputy leaders of Federal executive authorities;

– members of the Federal Council of the Federal Assembly of Russian Federation;

– deputies of the State Duma of the Federal Assembly of Russian Federation;

– Governors and Deputy Governors of Subjects of the Federation;

– Speakers and Deputy Speakers of Legislative Assembly of Subjects of the Federation;

– representatives of all categories of the Congress sponsors.

2.2. Representatives of the legal entity, who paid the Registration and Arrangements fees.

2.3. Individuals, who paid the Registration and Arrangement fees.

2.4. The Organizing Committee, at its discretion, can give the status of the Congress Participant to the employees, working on the field of science and education, or other persons having services in the field of hydrogen economy.

#### 3. Registration Order of the Congress Participants

3.1. The Organizing Committee of the Congress can present the package of the main regulating documents:

– Statue of the Congress Participants

– Statue of the Congress Sponsors

– Registration Cards of the Congress Participant and Sponsor.

All necessary documents could be found at the information site of the Congress: [www.hydrogen.ru](http://www.hydrogen.ru)

3.2. Persons wishing to take part in the work of the Congress must send the Registration Card to the Organizing Committee of the Congress. The card should contain all necessary data listed in i.1.3. The Card could be send to the Organizing Committee in electronic or hard copy. After receipt of the Card the Organizing Committee sends the invoice for the Registration fee payment.

3.3. The Registration fee is calculated on the basis of the Table of cash disbursements in the Second World Congress "Alternative Energy and Ecology".





#### **4. Transfer of participation right in the Congress to another person**

A written notification must be sent to the Organizing Committee in case of transfer of the participation right in the Congress to another person.

#### **5. Cancellation Policy**

5.1. In case of the participation cancellation the Participant must send the written notification to the Organizing Committee.

5.2. In case of the participation cancellation the Arrangement fee could be returned to the Participant in the following amount:

- before May 1, 2010 – 100%;
- before June 1, 2010 – 85%;
- before August 9, 2010 – 50%.

#### **6. Rights of the Congress Participant**

6.1. The Congress Participant has the right to:

- be present at the plenary meetings;
- participate in the work of the Conferences, Symposiums, "Round Table Meetings" at his discretion;
- obtain the package of the Congress Documents;
- participate in the in the receptions on behalf of the official persons;
- get medical aid.

6.2. The Arrangement fee is waived for honorable persons, members of the Presidium of the Congress Organizing Committee, and persons obtained special invitation of the Organizing Committee.

#### **7. Final provisions**

Money received by the Organizing Committee will be used exclusively for the purposes of the Congress.



## Attachment № 3

### Statue of Sponsors

#### APPROVED:

Chairman of the International Program  
Committee of the Congress, Editor-in-Chief of  
International Scientific Journal for  
Alternative Energy and Ecology  
Director General of Scientific  
Technical Centre "TATA"  
Sarov, Russian Federation  
Alexander L.Gusev

Russian and foreign legal entities and individuals sharing the goals and tasks of the Congress and investing to its organization and holding could be the sponsors of the **Second World Congress "Alternative Energy and Ecology" WCAEE-2010**.

The contribution could be in the form of material, financial, technical or (on agreement) other support in accordance with the conditions of the concluded agreement.

The contributions are accepted by the Organizing Committee of the Congress from January 2010 through August 15, 2010.

Institutions or individuals gratuitously transferring goods or services, or money to the Organizing Committee of the Congress to the account of the Scientific Technical Centre "TATA" in Roubles or foreign currency are considered as the Sponsors. The obtained means, goods or services are used according to intended purposes – for the Congress preparation and holding.

This Statue establishes the following division of the Congress Sponsors:

- General Sponsor
- Official Sponsor
- Gold Sponsor
- Silver Sponsor
- Bronze Sponsor
- Information Sponsor (resident or distant participation)

**GENERAL SPONSOR** – an institution or individual gratuitously transferring money in an amount of 75 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Official Sponsor** – an institution or individual gratuitously transferring money in an amount of 50 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Gold Sponsor** – an institution or individual gratuitously transferring money in an amount of 25 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Silver Sponsor** – an institution or individual gratuitously transferring money in an amount of 15 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Bronze Sponsor** – an institution or individual gratuitously transferring money in an amount of 10 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Special Sponsor** – an institution or individual gratuitously transferring money in an amount of 5 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.

**Round Table or Cocktail Party Sponsor** - an institution or individual gratuitously transferring money in an amount of 3 thousand Dollars and more (or the same sum in Roubles according to the exchange rate of the Central Bank of Russian Federation on the maturity date) to the currency or Rouble account; or goods or services to the same amount.



**Information Sponsor (resident)** – an institution or individual providing the services on dissemination of information about the Congress on all stages of the event preparation, during its holding (including participation in the event with the Registration Fee payment only) and during six months after the Congress.

**Information Sponsor (distant)** – an institution or individual providing the services on dissemination of information about the Congress on all stages of the event preparation, during its holding (distant participation) and during six months after the Congress.

The Sponsors' contributions (donations) are accepted from January 1, 2010 through August 15, 2010. Agreements on Information Sponsorship are concluded in the period from January 2010 through August 15, 2010.

**THE GENERAL SPONSOR** is advertized by the Organizing Committee:

- In mass media (International Scientific Journal for Alternative Energy and Ecology, International Scientific Journal "Letters to "Alternative Energy and Ecology", Information Newsletter of STC "TATA", Internet site of the International Scientific Journal for Alternative Energy and Ecology, Internet site of the International Scientific Journal "Letters to "Alternative Energy and Ecology", the book "International Collected Papers on Hydrogen Energy (2000-2010)" from the moment of payment receipt up to the end of the Congress;

- In the booklet, Information Newspapers and digests about the Congress from the moment of payment receipt up to the end of the Congress;

- In the official documents, materials and presentations of the leaders of the Congress Organizing Committee from the moment of payment receipt up to the end of the Congress;

- On flag-poles in front of the Congress halls on August 9-15, 2010;

- On boards in the plenary meetings hall on August 9-15, 2010;

- On flags in the "Round Table Meeting" halls on August 9-15, 2010;

The general Sponsor can place the advertising materials of its institution:

- In the information package of the Congress participants;

- On the vehicles serving the Congress.

The Organizing Committee invites two representatives of the General Sponsor to participate in all official events, social program and press-conferences.

**The General Sponsor package also includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).

- Exhibition booth in the lobby of the Congress venue of 5 sq. m. with the priority of location selection.

- Possibilities of the General Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception, press-office, etc.

- 2 separately standing banners in the conference hall.

- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).

- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.

- Distribution of the information letters to potential Congress participants with a reference to the General Sponsor (maximum 1000 letters).

- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.

- Location of the General Sponsor's logo in the Congress participant's invitations and VIP-invitations.

- Location of the General Sponsor's logo on the press-file.

- Publication of the page – Business Card of the General Sponsor on the Internet site of the Congress and in CD-version of the final materials.

- Assistance in realization of the business programs of the General Sponsor.

- Thank-you letter from the International Scientific Organizing Committee of the Congress.

- VIP-souvenirs from the General Sponsor to the VIP-participants of the Conference.

- 100% discount of Arrangement Fee payment for participation of the General Sponsor delegates in the Congress.

Advantages:

- Status of the General Sponsor of the Congress

- Location of the brand/logo:

- - in Russian and English pages of the International Scientific Site "Hydrogen", devoted to the Congress.

- - on the bag, notepad, and cover of the Congress materials.

- Location of full-color advertisement of A4 format on the second page of the Congress proceedings

- Location of the "Company business card" on the Company page of the Internet site [www.hydrogen.ru](http://www.hydrogen.ru) (logo, brief description, link to the Internet site of the Company).

- Banner with the advertisement at [www.hydrogen.ru](http://www.hydrogen.ru) (1000 demonstrations).



- Presentation at the Congress during morning sessions (20-25 minutes)
- Separate information table for catalogues and advertisement materials / or location of these materials on the table of the Conference organizer.
- Personal Sponsor table at the Conference banquet for you and your guests (six persons maximum).

**The Official Sponsor** is advertised by the Organizing Committee:

- In the booklet, Information Newspapers and digests about the Congress from the moment of payment receipt up to the end of the Congress;
- In the official documents, materials and presentations of the leaders of the Congress Organizing Committee from the moment of payment receipt up to the end of the Congress;
- On boards in the plenary meetings hall on August 9-15, 2010;
- On flags in the "Round Table Meeting" halls on August 9-15, 2010;

The Sponsor can locate its advertisement materials in the information package of the Congress participants.

The Organizing Committee invites one representatives of the Sponsor to participate in all official events, social program and press-conferences.

**Besides, the Official Sponsor package also includes:**

- Possibility to make the presentation at the Congress (form, length and place of the presentation are determined by the organizers or priority in consideration of the application for presentation by the Organizing Committee of the Congress;
- Exhibition booth in the lobby of the Congress venue of 2 sq. m.
- Possibilities of the Official Sponsor advertisement by means of the Sponsor's logo location on the bags (cases) of the Congress participants, guide signs, separately standing banners, souvenirs, leaflets in the Congress materials package for the participants.
- Banner with a hyperlink on the official Internet site of the Congress
- Distribution of the information letters to potential Congress participants with a reference to the Official Sponsor (maximum 1000 letters).
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Official Sponsor to the VIP-participants of the Conference.
- Advertisement on the vehicles serving the Congress
- Location of the logo in all information and advertisement materials of the Congress, one page of advertisement in the final materials of the Congress.
- Announcement about the sponsorship in a press-release.
- 50% discount of Arrangement Fee payment for participation of the Official Sponsor delegates in the Congress.

**The Gold Sponsor package includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).
- Exhibition booth in the lobby of the Congress venue of 3 sq. m. with the priority of location selection.
- Possibilities of the Gold Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception, press-office, etc.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the General Sponsor (maximum 750 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Gold Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Gold Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Gold Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Assistance in realization of the business programs of the Gold Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Gold Sponsor to the VIP-participants of the Conference.
- 40% discount of Arrangement Fee payment for participation of the Gold Sponsor delegates in the Congress.



**The Silver Sponsor package includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).
- Exhibition booth in the lobby of the Congress venue of 2 sq. m. with the priority of location selection.
- Possibilities of the Silver Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception, press-office, etc.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the Silver Sponsor (maximum 500 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Silver Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Silver Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Silver Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Participation of the Silver Sponsor representative in the presidium of the press-conference before the Congress.
- Assistance in realization of the business programs of the Silver Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Silver Sponsor to the VIP-participants of the Conference.
- 35% discount of Arrangement Fee payment for participation of the Silver Sponsor delegates in the Congress.

**The Bronze Sponsor package includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).
- Exhibition booth in the lobby of the Congress venue of 1.5 sq. m. with the priority of location selection.
- Possibilities of the Bronze Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the Bronze Sponsor (maximum 500 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Bronze Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Bronze Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Bronze Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Assistance in realization of the business programs of the Bronze Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Bronze Sponsor to the VIP-participants of the Conference.
- 30% discount of Arrangement Fee payment for participation of the Bronze Sponsor delegates in the Congress.

**The Special Sponsor package includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).
- Exhibition booth in the lobby of the Congress venue of 1 sq. m. minimum with the priority of location selection.
- Possibilities of the Special Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).





- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the Special Sponsor (maximum 500 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Special Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Special Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Special Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Assistance in realization of the business programs of the Special Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Special Sponsor to the VIP-participants of the Conference.
- 25% discount of Arrangement Fee payment for participation of the Special Sponsor delegates in the Congress.

**The Round Table or Cocktail Party Sponsor package includes:**

- Exhibition booth in the lobby of the Congress venue of 1sq. m. with the priority of location selection.
- Possibilities of the Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Assistance in realization of the business programs of the Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Sponsor to the VIP-participants of the Conference.

**The Information Sponsor package (resident participation) includes:**

- Possibility to make the presentation at the Congress (priority in consideration of the report by the Organizing Committee of the Congress; presentation length, presentation at plenary/session/round table/workshop meeting are agreed with the organizers; format of the presentation and guidelines are typical for the Congress).
- Exhibition booth in the lobby of the Congress venue of 1 sq. m. minimum with the priority of location selection.
- Possibilities of the Information Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the Information Sponsor (maximum 1000 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Information Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Information Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Information Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Participation of the Information Sponsor representative in the presidium of the press-conference before the Congress.
- Assistance in realization of the business programs of the Information Sponsor.
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Information Sponsor to the VIP-participants of the Conference.
- 50% discount of Arrangement Fee payment for participation of the Special Sponsor delegates in the Congress.



**The Information Sponsor package (resident participation) includes:**

- Possibilities of the Information Sponsor advertisement by means of the Sponsor's logo location in restaurant, reception.
- 1 separately standing banner in the conference hall.
- Banner with a hyperlink on the official Internet site of the Congress [www.hydrogen.ru](http://www.hydrogen.ru).
- Banner with a hyperlink on the official Internet site of the International Scientific Journal for Alternative Energy and Ecology.
- Distribution of the information letters to potential Congress participants with a reference to the Information Sponsor (maximum 500 letters).
- Location of the Sponsor's logo in all information and advertisement materials (booklet, information newsletter, and digests about the Congress), one page of advertisement in the final materials of the Congress.
- Location of the Information Sponsor's logo in the Congress participant's invitations and VIP-invitations.
- Location of the Information Sponsor's logo on the press-file.
- Publication of the page – Business Card of the Information Sponsor on the Internet site of the Congress and in CD-version of the final materials
- Thank-you letter from the International Scientific Organizing Committee of the Congress.
- VIP-souvenirs from the Information Sponsor to the VIP-participants of the Conference.

**Bank requisites of the Institute of Hydrogen Economy for sponsor's payment**

**Rouble bank requisites of the Institute of Hydrogen Economy for sponsor's payment**

ООО "Институт водородной экономики"  
ИНН\ КПП 5254032750\ 525401001  
Адрес: 607188, Нижегородская обл.  
Саров, ул. Московская, 29  
Р/с: 40702810042410000493  
Саровское ОСБ № 7695 г. Саров ОГРН 10227700132195 от 21.08.2002 г.  
Банк плательщика/получателя: "Волго-Вятский банк Сбербанка РФ" г. Нижний  
Новгород ИНН 7707083893 КПП 525402001 БИК 042202603 К/С 30101810900000000603  
Р/С 30301810042410604200  
607190 г. Саров, Нижегородской обл., ул. Зернова, 53  
Директору Института водородной экономики  
Цель платежа: *спонсорский взнос Генерального спонсора Второго всемирного  
конгресса "Альтернативная энергетика и экология"*

**Foreign currency bank requisites of the Institute of Hydrogen Economy for sponsor's payment**

Institute of Hydrogen Economy Limited  
Address: 607183, Russia, Nizhny Novgorod Region, Sarov, post box office 787  
Please arrange a bank transfer to:  
Institute of Hydrogen Economy Limited  
S.W.I.F.T. SABR RU MM NA1  
SAVINGS BANK OF THE RUSSIAN FEDERATION  
(VOLGO-VYATSKY OFFICE)  
BR.7695 SAROV A/c 30301840342000604241  
Institute of Hydrogen Economy Limited  
ACC: 40702840642410200045  
Purpose: *Sponsor's payment of the General sponsor of the World International Congress "Alternative  
Energy and Ecology" WCAEE-2010*



## Accreditation of journalists

Dear colleagues!

Accreditation of journalists for the **Second World Congress "Alternative energy and Ecology" WCAEE-2010** has been started!

We would like to invite you to take part in this event.

Mass media	Full name and position of a journalist	Coordinates (post address, e-mail, phone)

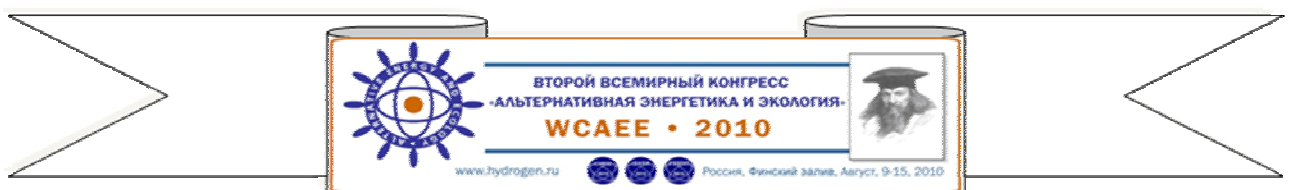
For accreditation it is necessary to download and fill in the **Accreditation Form**.

It is necessary to submit an **Application** if the journalist will take part in the work of the Conferences, Symposiums, Round Table Meetings.

Filled in Accreditation Form and Application should be sent by fax (+7-83130-63107; +7-83130-90708) or by e-mail [gusev@hydrogen.ru](mailto:gusev@hydrogen.ru).

**More detailed information could be obtained in the press-center of the Congress.**

**Contacts: Phone +7-83130-63107; +7-83130-94472; E-mail: [congress@hydrogen.ru](mailto:congress@hydrogen.ru).**





### Abstracts Submission Guidelines

Abstracts of the **oral presentations** (maximum 3 pages) should be prepared in Russian or English and sent to the Organizing Committee of the Congress. All abstracts will be necessarily reviewed by the leading referees and international experts of the International Scientific Journal for Alternative Energy and Ecology.

The abstracts of the reports submitted to the Organizing Committee will be published in 6 issues of the International Scientific Journal for Alternative Energy and Ecology.

Deadlines for the abstracts submission (personal and distant participation):

№1-2010 – November 15, 2009

№2-2010 – November 30, 2009

№3-2010 – December 15, 2009

№4-2010 – December 30, 2009

№5-2010 – January 30, 2010

№6 -2010 – February 30, 2010 года

**All abstracts submitted after July 30, 2010 will be published in №8-2010.**

All papers will be considered and selected by the program Committee and Scientific and Advisory Council in accordance with the Congress topic. The main criteria of the works selection are originality of the idea, importance of presented research results, quality and completeness of the abstracts. The accepted papers will be recommended for oral or poster presentation.

The abstracts could be submitted to the Organizing Committee by regular mail or e-mail. The file should be prepared in Microsoft Word format and sent by e-mail. The hard copy of the abstracts could be sent in a registered letter by the regular mail.

#### Abstract formatting guidelines

The abstract should clearly describe the performed work. The first paragraph (5-8 lines) should contain brief definition of the scientific or technological problem. The rest of the abstract should allow the conference participants to make clear conception of the performed work, used research methods and main results (without disclosure of the technological know-how, if available). It is not recommended to complete the abstracts with conclusions or general discussions that do not contain additional specific information about the merits of your work.

Formulas, tables, and references are allowed.

Words shortenings are not allowed.

Text of the abstract (maximum 3 pages) should be printed on one side of white paper using a laser printer without handwritten marks, corrections, and inserts in order to get high-quality copy at direct copying.

**Paper format:** A4 (210×297 mm)

**Margins:** top – 20 mm, bottom – 20 mm, left – 25 mm, right – 15 mm

**Line spacing:** 1.5 (one and half)

**Font:** Times New Roman

**Title:** Upper case, size 14 pt, bold, centered. No hyphenation, quotation marks, no full stop at end of the title, no underlining.

**Authors:** initials, surname, size 14 pt, italic, bold, centered, no full stop at the end.

**Institution, address, city, zip code, country, fax, e-mail:** size 12 pt, normal, centered, no full stop at the end. Put an empty line before the main text of the abstract. If the authors are from different institutions, please, use superscript.

**Main text body:** size 12pt, normal, first line indent 1 cm, justified alignment.

Please, use the units of the international system of units of measurement (SI) and (or) the units allowable for application on a par with them.

The abstracts are submitted in 2 copies. The second copy must be signed by the authors on the back. The abstracts should meet these requirements; otherwise they will not be included into the digest. The abstracts will be published before the Congress.

Additional information could be obtained in the Program Committee of the Congress.

#### Contact person:

Alexander L.Gusev

Phone/Fax: +7–83130–63107

Phone: +7–83130–97472

E-mail: [gusev@hydrogen.ru](mailto:gusev@hydrogen.ru); <http://www.hydrogen.ru>; <http://isjaee.hydrogen.ru>

**Address of the WCAEE-2010 Organizing Committee:** P.O.Box 687, Sarov, Nizhny Npvgorod region, 607183, Russia.



## Manuscript Submission Guidelines

Manuscripts of the **Plenary** (maximum 25 pages) and **Oral** (maximum 9 pages) reports should be prepared in Russian or English and sent to the Organizing Committee of the Congress. All manuscripts will be necessarily reviewed by the leading referees and international experts of the International Scientific Journal for Alternative Energy and Ecology.

All manuscripts submitted to the Organizing Committee of WCAEE-2010 will be published in 12 issues of the International Scientific Journal for Alternative Energy and Ecology.

Deadlines for the manuscripts submission for their publication in the International Scientific Journal for Alternative Energy and Ecology:

№9-2010 – May 30, 2010  
№10-2010 – June 30, 2010  
№11-2010 – July 30, 2010  
№12-2010 – August 30, 2010  
№1-2011 – September 30, 2010  
№2-2011 – October 30, 2010  
№3-2011 – October 30, 2010  
№4-2011 – November 30, 2010  
№5-2011 – December 30, 2010  
№6-2011 – March 30, 2011  
№7-2011 – May 30, 2011  
№8-2011 – June 30, 2011

All manuscripts will be considered and selected by the program Committee and Scientific and Advisory Council in accordance with the Congress topic. The main criteria of the works selection are originality of the idea, importance of presented research results, quality and completeness of the abstracts. The accepted manuscripts will be recommended for oral or poster presentation.

The manuscripts could be submitted to the Organizing Committee by regular mail or e-mail. The file should be prepared in Microsoft Word format and sent by e-mail. The hard copy of the abstracts could be sent in a registered letter by the regular mail.

### Manuscripts formatting guidelines

The manuscripts should clearly describe the performed work. The first paragraph (5-8 lines) should contain brief definition of the scientific or technological problem. The rest of the manuscript should allow the conference participants to make clear conception of the performed work, used research methods and main results (without disclosure of the technological know-how, if available).

Text of the manuscript should be printed on one side of white paper using a laser printer without handwritten marks, corrections, and inserts in order to get high-quality copy at direct copying.

**Paper format:** A4 (210×297 mm)

**Margins:** top – 20 mm, bottom – 20 mm, left – 25 mm, right – 15 mm

**Line spacing:** 1.5 (one and half)

**Font:** Times New Roman

**Title:** Upper case, size 14 pt, bold, centered. No hyphenation, quotation marks, no full stop at end of the title, no underlining.

**Authors:** initials, surname, size 14 pt, italic, bold, centered, no full stop at the end.

**Institution, address, city, zip code, country, fax, e-mail:** size 12 pt, normal, centered, no full stop at the end. Put an empty line before the main text of the abstract. If the authors are from different institutions, please, use superscript.

**Main text body:** size 12pt, normal, first line indent 1 cm, justified alignment.

Please, use the units of the international system of units of measurement (SI) and (or) the units allowable for application on a par with them.

The manuscripts are submitted in 2 copies. The second copy must be signed by the authors on the back. The manuscripts should meet these requirements; otherwise they will not be published.

Additional information could be obtained in the Program Committee of the Congress.





## МЕЖДУНАРОДНЫЙ НАУЧНЫЙ ЖУРНАЛ «АЛЬТЕРНАТИВНАЯ ЭНЕРГЕТИКА И ЭКОЛОГИЯ»



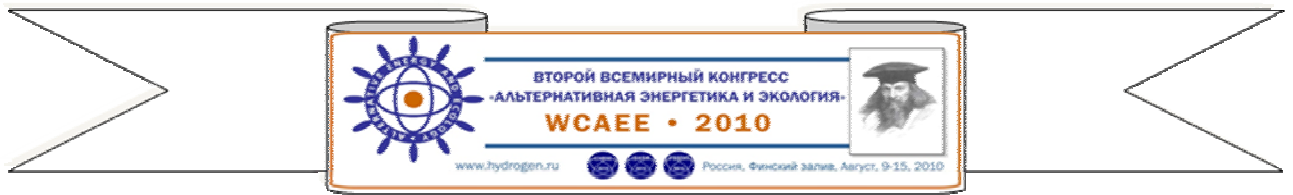
**ISJAEE**

Наименование: Международный научный журнал  
«Альтернативная энергетика и экология»;  
International Scientific Journal for Alternative energy and Ecology  
Аббревиатура: АЭЭ; ISJAEE  
Индекс: ISSN 1608-8298  
Периодичность: ежемесячный  
Объем: 200-250 страниц  
Тираж: 2000 экз.  
Вид рассылки: адресный  
Подписка: через редакцию и по каталогам

### Учредитель, издатель и редакция

Научно-технический центр «ТАТА»  
Генеральный директор,  
главный редактор А. Л. Гусев  
E-mail: [gusev@hydrogen.ru](mailto:gusev@hydrogen.ru)  
Почтовый адрес:  
607183, Россия, Нижегородская обл.,  
Саров, а/я 687, НТЦ «ТАТА»  
Тел.: 8 (83130) 63107, 97472  
Факс: 8 (83130) 63107  
Моб. тел.: +7-962-50-77-914  
<http://isjaee.hydrogen.ru>





*Form 1- WCAEE-2010*

**Participant Registration Form № \_\_\_\_\_**  
**The Second World Congress WCAEE–2010,**  
**devoted to the memory of the outstanding Russian scientists Dmitry Ivanovich Mendeleev**



**Second World Congress Alternative Energy and Ecology (WCAEE 2010)**  
**August 9-15, 2010, St.-Petersburg, Russia**

Accommodation from 8  or 9  through 10  11  12  13  14  15   
 16  17

Participation for one day and accommodation from \_\_\_\_ through \_\_\_\_

No accommodation

Distant participation



**The First World Symposium "Fundamental and Applied Problems of Modern Wind Energy" ISFAWE-2010**

Participation in the Symposium (please, put any symbol) *Personal*  *Distant*



**The Second International Conference "Hydrogen and Renewable Sources of Energy" ICHRSE-2010**



Participation in the Conference (please, put any symbol) *Personal*  *Distant*



**The Fourth International Symposium "Safety and Economy of Hydrogen Transport" IFSSEHT-2010**

Participation in the Symposium (please, put any symbol) *Personal*  *Distant*



**The Second International Symposium "Hydrogen Sensors and Recombiners" ISHSR-2010**

Participation in the Symposium (please, put any symbol) *Personal*  *Distant*



**The First International Scientific Conference "Innovation Collaboration of Baltic Region Countries" ICICB-2010**

Participation in the Conference (please, put any symbol) *Personal*  *Distant*

Logo os being designed

The First International Scientific Workshop "Alternative Energy, Ecology, and Medicine" ISAEEM-2010

Participation in the Workshop (please, put any symbol) *Personal*  *Distant*



Scientific Youth School

**"Fundamental and Applied Questions of Physics and Chemistry in Modern Alternative Energy and Ecology"**

**FAQmAEE**

Participation in the School (please, put any symbol) *Personal*  *Distant*



**International Scientific and Technical Exhibition  
"Alternative Energy and Ecology – Novel Technical Solutions and Realizations" - AEE-2010**

Participation in the Exhibition (please, put any symbol) *Personal*  *Distant*

**Full name:**



<b>Date of birth:</b>	<b>Citizenship:</b>
<b>Country:</b>	<b>City:</b>
<b>Place of birth</b>	
<b>Post address</b>	
<b>Passport:</b> <b>Series</b> <b>Number</b> <b>Issued by (Authority), Date of issue, Date of Expiration</b>	
<b>Scientific title, scientific degree:</b>	
<b>Institution, position:</b>	
<b>Affiliation:</b>	
<b>Phone, fax, e-mail:</b>	
<b>Topic of the presentation:</b>	
<b>Title of the presentation:</b>	
<b>Oral/Poster</b>	
<b>Plenary</b>	
<b>Requested equipment</b>	
<b>I plan to participate with</b> <b>My colleague</b> <input type="checkbox"/> <b>Companion</b> <input type="checkbox"/> <b>Wife</b> <input type="checkbox"/> <b>Children</b> <input type="checkbox"/>	



### Excursions:

- Bus tour "Night St.-Petersburg"** (departure at 22:00, arrival to hotel 03:00)  
City sightseeing tour (bridges opening)
- City sightseeing tour on St.-Petersburg**  
Visit to Hermitage (2 hours) and Petropavlovskaya Fortress (2 hours)
- Bus tour to Peterghoff** (parks and visit to one of the small palaces)
- Pavlovsk – Tsarskoye Selo**  
Alexanrovsky Park, Pavlovsky Park, Pavlovsky Palace, Yekaterinovsky palace and Amber room
- Bus tour to Kronshtadt + Sea tour along Kronshtadt fortress forts.**
- One-day tour on "Meteor" hydrofoil from Priozersk to Valaam Island**
- One-day tour on "Meteor" hydrofoil from St.-Petersburg to Valaam Island**
- Boat trip to Valaam Island (1 day/2 nights)**

### Room type of "Baltiets" hotel:

- I. Main building, building №1**
  - Double room "standard"
  - Triple room "standard"
  - Double room "eurostandard"
  - Suite
  - Luxe "eurostandard"
  - Luxe "comfort"
  - + extra bed
- II. "Captain's cottage"**
  - Luxe, 1 room
  - Luxe, 2 rooms
  - Luxe, 2 rooms with kitchen
  - + extra bed
- III. Penthouse**
  - Love-luxe
  - Studio
  - President room
  - + extra bed
- IV. Burevestnik**
  - Double room
  - Triple room
  - Triple room 1 cat. with TV
  - Double room 1 cat. with TV
  - Luxe, 1 room
  - Luxe, 2 room
  - Additional place

You are welcome to select and pay for the room by filling in the form on our web site [www.hydrogen.ru](http://www.hydrogen.ru)

**Please indicate another variant of the room type if the room you have selected is occupied**

### Meals (buffet):

- No meals**
- Breakfast**
- Lunch**
- Dinner**

### Your wishes:

- Transfer from/to St.-Petersburg**  Before the Congress - [ 75 евро ]
- After the Congress - [ 75 Евро ]





**Bank requisites for the Arrangement fees payment, including personal and distant participation, and other payments for participation in the Congress:**

**In Roubles**

Получатель: ИНН 5254022656 КПП 525401001 ООО НТЦ «ТАТА»  
г. Саров Нижегородской обл. а/я 687  
Р/с: 40702810900000001679  
Банк: ОАО «АКБ Саровбизнесбанк» г. Саров  
БИК: 042204721  
К/с: 30101810200000000721

**In foreign currency**

STC "TATA" Limited  
ACC: 40702840200001001681  
BEN. BANK: SAROVBUSINESSBANK, SAROV, RUSSIA  
CORR. ACC USD: 30109840300000000142  
CORRESP. BANK: ALFA-BANK, MOSCOW, RUSSIA, SWIFT: ALFARUMM  
CORR. ACC USD: 400927098 with "CHASE MANHATTAN BANK", NEW YORK, N.Y.10004,  
USA. SWIFT: CHASUS33  
PAYMENT FOR: ARRANGEMENT FEE FOR PARTICIPATION OF "NAME, SURNAME" IN  
THE SECOND WORLD CONGRESS "ALTERNATIVE ENERGY AND ECOLOGY" – WCAEE-  
2010, NO VAT





- Love-luxe
- Studio
- President room
- + extra bed

**V. Burevestnik**

- Double room
- Triple room
- Triple room 1 cat. with TV
- Double room 1 cat. with TV
- Luxe, 1 room
- Luxe, 2 room
- Additional place

You are welcome to select and pay for the room by filling in the form on our web site [www.hydrogen.ru](http://www.hydrogen.ru)

Please indicate another variant of the room type if the room you have selected is occupied

Meals (buffet):

No meals

Breakfast

Lunch

Dinner

Your wishes:

Transfer from/to St.-Petersburg  Before the Congress - [ 75 евро ]

After the Congress - [ 75 Евро ]

Bank requisites for the Arrangement fees payment, including personal and distant participation, and other payments for participation in the Congress:

In Roubles

Получатель: ИНН 5254022656 КПП 525401001 ООО НТЦ «ТАТА»

г. Саров Нижегородской обл. а/я 687

Р/с: 40702810900000001679

Банк: ОАО «АКБ Саровбизнесбанк» г. Саров

БИК: 042204721

К/с: 30101810200000000721

In foreign currency

STC "TATA" Limited

ACC: 40702840200001001681

BEN. BANK: SAROVBUSINESSBANK, SAROV, RUSSIA

CORR. ACC USD: 30109840300000000142

CORRESP. BANK: ALFA-BANK, MOSCOW, RUSSIA, SWIFT: ALFARUMM

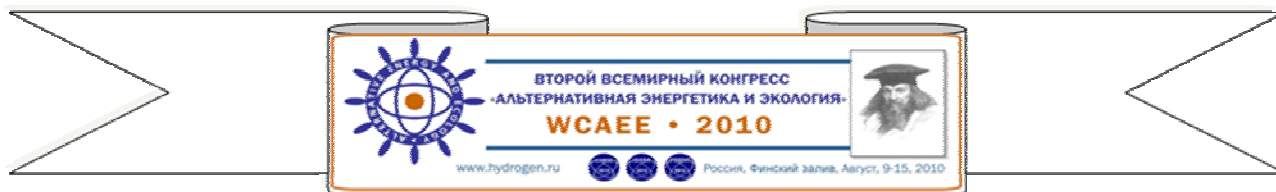
CORR. ACC USD: 400927098 with "CHASE MANHATTAN BANK", NEW YORK, N.Y.10004, USA. SWIFT:

CHASUS33

Payment for: arrangement fee for participation of "Name, Surname" in the Second World Congress "Alternative Energy and Ecology" – WCAEE-2010, NO VAT



НАУЧНО-ТЕХНИЧЕСКИЙ ЦЕНТР «ТАТА» (ООО НТЦ «ТАТА»)  
А/я 687, г. Саров, Нижегородская область, Россия, 607183  
SCIENTIFIC TECHNICAL CENTRE “TATA” (STC “TATA”)  
Post Office Box 687, Sarov, Nizhny Novgorod region, Russia, 607183



**Attachment № 8**

## Contact Information

Address of the Organizing Committee WCAEE-2010: P.O.Box 687, Sarov, Nizhny Novgorod region, 607183, Russia

Phone/fax: +7–83130–63107

Phone: +7–83130–94472

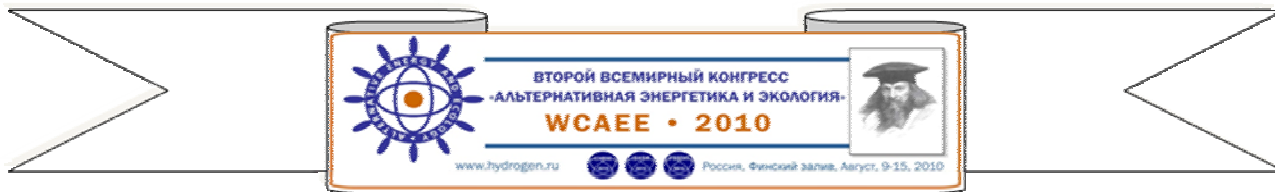
E-mail: [congress@hydrogen.ru](mailto:congress@hydrogen.ru)

### Contact person:

Alexander L.Gusev – Chairman of the Program Committee of the Congress (scientific issues), reception of Registration Cards, abstracts and manuscripts.

E-mail: [congress@hydrogen.ru](mailto:congress@hydrogen.ru)

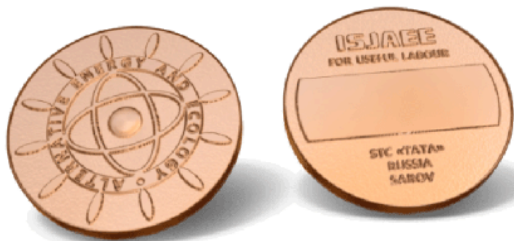
[www.hydrogen.ru](http://www.hydrogen.ru), [www.isjaee.hydrogen.ru](http://www.isjaee.hydrogen.ru)



Attachment № 9

## Awards of the Congress

### 1. Gold Memorable Sign

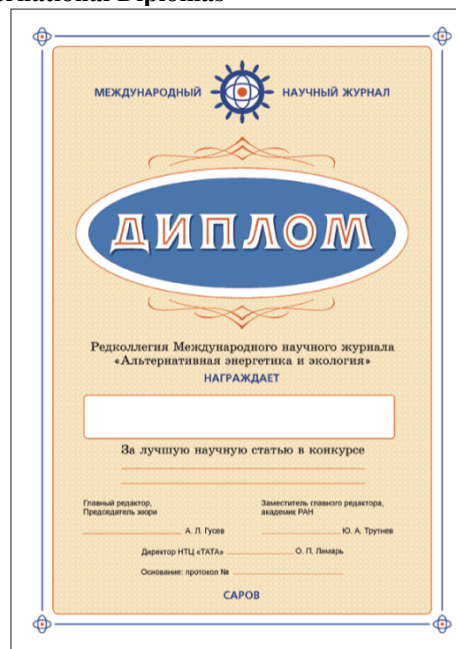


The International Editorial Committee and the International Scientific Advisory Committee of the Editorial Board of the International Scientific Journal for Alternative Energy and Ecology instituted the Gold Memorable Sign "For Significant Contribution to alternative energy and ecology".

### 2. Prize Certificates



### 3. International Diplomas





## Награды редколлегии Международного научного журнала «Альтернативная энергетика и экология»

### Ордена

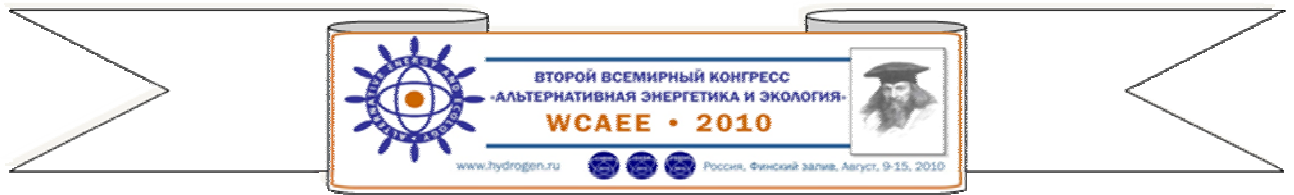


### Медали



### Дипломы и сертификаты





*Form 3-WCAEE-2010*

### Accreditation

## Accreditation Form

Surname \_\_\_\_\_  
Name \_\_\_\_\_  
Patronymic \_\_\_\_\_  
Institution \_\_\_\_\_  
Activity category: \_\_\_\_\_  
(television, radio, newspaper, information agency, other)  
Number of persons \_\_\_\_\_  
Phone \_\_\_\_\_  
Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

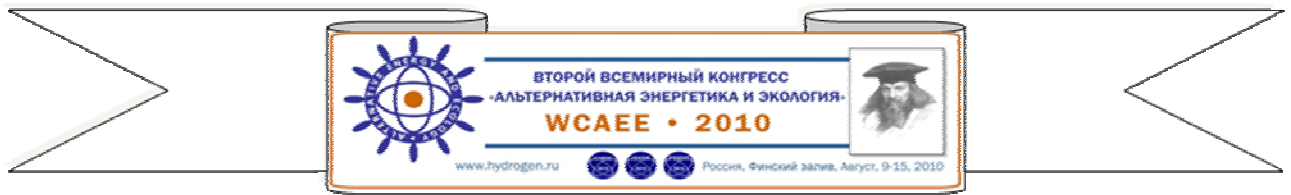
Need in additional information before the press-conference

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

For accreditation call: +7-83130-63107; +7-83130-97472

Fax +7-83130-63107

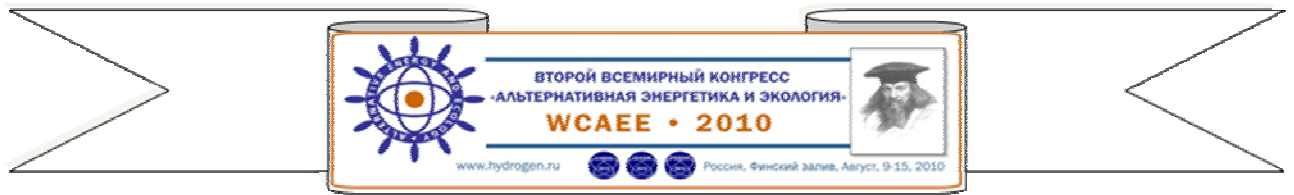
E-mail: [gusev@hydrogen.ru](mailto:gusev@hydrogen.ru)



*Form 4-WCAEE-2010*

**Registration Form of  
Accredited Journalist of the Congress**

What event do you plant to cover in mass media?	
Name	
Date of birth	Citizenship
Passport data, Date of issue, Date of expiration	
Title	
Institution, position	
Post address	
Phone, fax, e-mail	
Topic	
Title of the journal	



## Приложение 10

### Important dates

Dear participants,

below we present the important dates of the **Second World Congress "Alternative Energy and Ecology" WCAEE-2010**:

**Abstracts submission deadlines (personal and distant participation):**

№1-2010 – November 15, 2009

№2-2010 – November 30, 2009

№3-2010 – December 15, 2009

№4-2010 – December 30, 2009

№5-2010 – January 30, 2010

№6 -2010 – February 30, 2010

All abstracts submitted after July 30, 2010 will be published in №8-2010.

**Deadlines for manuscripts submission** for publication in the International Scientific Journal for "Alternative Energy and Ecology":

№9-2010 – May 30, 2010

№10-2010 – June 30, 2010

№11-2010 – July 30, 2010

№12-2010 – August 30, 2010

№1-2011 – September 30, 2010

№2-2011 – October 30, 2010

№3-2011 – October 30, 2010

№4-2011 – November 30, 2010

№5-2011 – December 30, 2010

№6-2011 – March 30, 2011

№7-2011 – May 30, 2011

№8-2011 – June 30, 2011

After publication of the full versions of the papers in the issues of the International Scientific Journal for Alternative Energy and Ecology the organizers are planning to publish the International Collection of the Proceedings on the Alternative Energy (2010), which will collect the best articles and papers, published in the AEE.

***The First Announcement will be issued on January 04, 2009***

The First Announcement contains introductory information about the Second World Congress "Alternative Energy and Ecology"

***The Second Announcement will be issued on November 15, 2009***

The Second Announcement is a booklet with more detailed information about the Congress: concept of the event, financial information about the Arrangement Fee payment, composition of the organizing committees, information about the Congress venue, schedule of the events, social program and tours, titles of the submitted presentations, statues of sponsors and participants, guidelines for abstracts and manuscripts, and much more interesting information.



***The Third Announcement will be issued on January 15, 2010***

The Third Announcement will contain more detailed information about the scientific and social program.

***The Fourth Announcement will be issued on March 15, 2010***

The Fourth Announcement (in the form of a booklet) will contain the complete information about the scientific and social programs, and the list of all Congress participants.

***The Fifth Announcement will be issued on April 15, 2010***

The Fifth Announcement (in the form of a booklet) will contain the complete information about the scientific and social program, and the list of all Congress participants, annotations and advertisement materials about the activity of their institutions.

***The Sixth Announcement will be issued on May 15, 2010***

The Sixth Announcement (in the form of a booklet) will contain the complete information about the scientific and social program, and the list of all Congress participants, annotations and advertisement materials about the activity of their institutions.

***The Seventh Announcement will be issued on June 15, 2010***

The Seventh Announcement (in the form of a booklet) will contain the complete information about the scientific and social program, and the list of all Congress participants, annotations and advertisement materials about the activity of their institutions.

**Important information: the Headquarters of the Organizing Committee is located in the Service Center of the hotel. Breakfast and lunch have two shifts in the Buffet Hall (200 places).**





**PAYMENT DETAILS**

Payment of the Arrangement Fee, accommodation in the hotel and other services could be made with the following ways:

- with bank wire transfer (for legal entities),
- with bank wire transfer (for individuals),
- with credit card,
- with Internet payment.

The invoice could be sent to you by e-mail, fax, regular mail, or you can get it during the automatic registration on the web site [www.hydrogen.ru](http://www.hydrogen.ru) starting from February 1, 2010.

**Payment procedure:**

**Step 1:** Please, select the services you want to pay now. Payment could be made step by step.

**Step 2:** Please, select the payment method.

**1. Payment with bank wire transfer (for legal entities)**

Press the button "Invoice for Legal Entities" and go to the next stage of the registration. Enter the information about your organization and print the invoice for bank wire transfer.

Original copies of the documents (invoice and deed of the executed works) will be presented at the reception during the Congress. The representative must have a power of attorney (with the name of the representative) from the institution with a seal and signature of the Head of the institution.

If you need an Agreement for the services, will you, please, send the requisites of your institution in the attached file by e-mail. Please, attach the list of participants with logins, name of the head of the institution, basis for signing of the agreement, fax number and list of services. The agreement signed by our party will be sent to you by fax. The original copy of the agreement will be given at registration.

**2. Payment with bank wire transfer (for individuals)**

Please, press the button "Receipt for Sberbank", open the file with the receipt and print it. Please, fill in the fields "Name, address of the payer". Do not correct other data in the receipt. Now you can make payment in any bank office. You will receive confirmation of the payment at registration.



### **3. Payment with Credit card**

Please, press the button "Payment with Credit card". Open the file with the payment agreement. Please, print the file, fill in the form, sign it and send by fax +7 83130 63107 or +7 83130 90708. The sum specified in the agreement will be withdrawn from your Credit card. You will receive confirmation of the payment and the receipt at registration.

If you have questions concerning payment of the Arrangement Fee, accommodation in the hotel and other services, please, do not hesitate to contact Natalia V. Gladysheva: +7-83130-94472 or +7-83130-91846, fax: +7-83130-90708 or +7-83130-63107, e-mail: [congress@hydrogen.ru](mailto:congress@hydrogen.ru).