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NIKOLAI I. VOROPAI

Director of Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences.

Education:

He graduated from Leningrad (St. Petersburg) Polytechnic Institute (University) in 1966.

Professor, Doctor of Technical Sciences, Corresponding Member of the Russian Academy of Sciences, IEEE Fellow.

Work:

He is Director of Energy Systems Institute of the Russian Academy of Sciences, Siberian Branch.

He is also Head of Department at Irkutsk State Technical University. N.I. Voropai is Chairman of IEEE PES International Practice Committee Working Group on Asian and Australasian Electricity Infrastructure. He is CIGRE member, IFAC Member, Member of International Steering Committee of IEEE Power Tech Conference, and Member of the International Program Committees of many International Conferences, Member of Editorial Boards of several Russian and International Scientific journals.

Research interests:

His research interests include modeling and simulation of power systems, operation and dynamic of large power grids, reliability and security of energy systems. He is the author of more than 470 scientific publications.

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Speakers Session 1

SI-1



ALEXEY A. MAKAROV

Director of the Institute of Energy Research of the Russian Academy of Sciences

Education:

He graduated from Leningrad Polytechnic Institute in 1959. In 1964 he defended Ph.D. thesis and in 1969 – D.Sc. thesis; in 1978 earned the title of professor in energy. In 1984 A.A.Makarov was elected the Corresponding

Member of the USSR Academy of Sciences.

Work:

In 2006 he was elected the full member of the Russian Academy of Sciences (Academician). Since 1986 to the present time he is Director of Energy Research Institute of the Russian Academy of Sciences. A. A. Makarov is Chairman of Scientific Council of RAS on complex energy problems.

Government awards:

In 1969 A. A. Makarov became Krzhizhanovsky Prize laureate of the USSR Academy of Sciences. In 1971 he was decorated with the medal "For valorous work. In commemoration of the 100th anniversary of V.I. Lenin", in 1976 and 1984 – the orders "Red Banner of Labor"; in 2007 – the order of Honor. In 2007 he was awarded the title "Honorary specialist in energy", in 2011 he became laureate of the prize of Government of the Russian Federation in the field of science and technology.

Research interests:

A.A. Makarov is a leading specialist in the area of system studies in energy, development of scientific bases of the energy policy and forecasting of energy development.

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JINWOO KIM

President & CEO, Korea Energy Economics Institute

Education:

Ph.D., Economics (Natural Resources & Environmental Economics), University of Colorado at Boulder(USA), 1988

M.A., Economics, University of Colorado at Boulder(USA), 1985

M.A., Public Administration, Seoul National University, 1979
B.A., Economics, Seoul National University, 1977

Work:

- Sep., 1986 ~ Present : Korea Energy Economics Institute
- President & CEO (Jun., 2010)
- Managing Director, Center for Energy Information & Statistics (Mar., 2009)
- Director, Electricity and Gas Division (Feb., 2007)
- Director, Center for Energy Research, Northeast Asia (Feb., 2004)
- Director, Research Planning & Coordination Dept. (Jan., 2002)
- Director, Center for Electricity Studies (Jan., 2000)

- Aug., 1996 ~ May 1998 : Lecturer, Economics Dept., University of Colorado at Boulder
- Jun., 1980 ~ Aug., 1986 : Korea Energy Research Institute

Publications:

Peer-Reviewed Publications and Research

- Jinwoo Kim, Jin-Yeong Soh, Base Study for Nuclear Energy Cooperation in the Northeast Asian Countries, KEEL, 2009,
- Jinwoo Kim, Yoo-Soo Lee, The Direction of Restructuring for the Establishment of Competitive Electric Power Market, KEEL, 2008
- Jinwoo Kim, A Study on the Optimal Nuclear Power Option in Korean Electric Power Generation, MOCIE, 2007
- Jinwoo Kim, Electricity Supply & Demand : Vision 2030, MOCIE, 2007
- Jinwoo Kim, Recent Trends and Cases of Overseas Nuclear Power Industry, MOCIE, 2007
- Hyuck-Soo Kwon, Jinwoo Kim, The Basic Plan for the East-coast Energy Cluster, Gyeongbuk Provincial Office, 2007

- Jinwoo Kim, A Study on Improvement of International Competitiveness and Market

Liberalization of the Power Plant Service Industry, KEEI, 2006

Non-Peer-Reviewed Publications and Research

- Jinwoo Kim, “Energy Strategies and Demand Forecasts of Korea”, 2008

- Jinwoo Kim, “National Energy Policy of Korea - Current Status and Prospects”, 2008

- Jinwoo Kim, “Nuclear Energy in Korea: Prospects of Development”, 2008

- Jinwoo Kim, “Korea’s Power Market-Current Situation and Future Tasks”, 2007

- Jinwoo Kim, "Energy Situation and Prospects of Korea", KEEI, 2005

- Jinwoo Kim, "Rationale for Korea's Electricity Restructuring", KEEI, 2005

Professional Memberships & Service Activities:

- Chairman, Korean Resource Economics Association, 2011~

- Member, National Energy Committee, 2010~

- Chairman, Technical Program Sub-committee of 2013 WEC Organizing Committee, 2010~

- Member, Board of Directors of Korea Energy Foundation, 2010~

- Member, Board of Directors of Korea-US Business Council, 2010~

- Member, National Unification Advisory Council, 2009~

- Member, Cost Evaluation Committee of Korea Power Exchange, 2008~

- Member, Power Policy Committee of the National Basic Plan for Power Supply/Demand, 2005~

- Member, Regulatory Committee of Ministry of Knowledge Economics, 2000~2010

Contacts:

Address: Korea Energy Economics Institute, 665-1 Naeson-Dong, Uiwang-Si, Gyeonggi-Do, South Korea 437-713

Phone: 82-(0)31-421-0681

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TAKATO OJIMI

President, Asia Pacific Energy Research Centre (APERC)
The Institute of Energy Economics, Japan

Education:

June 1985; Obtained M.A. degree in Economics from
Cambridge University, U.K.

June 1980; Graduated from Cambridge University, U.K.
B.A. degree in Economics

March 1973; Graduated from Keio University, Japan

B.A. degree in Economics

Work:

April 1973: Joined the Ministry of International Trade and Industry (MITI)

Dec. 1982~ June 1985: Principal Administrator, Trade Directorate OECD Sec-
retariat, Paris

April 1986~ May 1988: Director, Office of Vice-Minister for International Af-
fairs; Director, GATT Affairs Office, International Trade Policy Bureau, MITI

June 1988~ June 1989: Director, Petroleum Stockpile Division, Agency of
Natural Resources and Energy, MITI

July 1989~ June 1990: Director, 4th Division, Loan Department III Overseas
Economic Cooperation Fund (OECF, Tokyo)

June 1990~ June 1992: Director, International Business Affairs Division, In-
dustrial Policy Bureau, MITI

July 1992~April 1993: Director, Energy Policy Planning Division, Agency of
Natural Resources and Energy, MITI

May 1993~ May 1996: Counselor, Japanese Delegation to OECD, Paris

June 1996~ June 1997: Director-General, General Coordination and Policy
Planning Department Kanto Regional Bureau of MITI

July 1997~June 1998: Deputy Director-General for Development Cooperation, MITI

July 1998~ January 2001: Deputy Director-General for Trade and Economic
Affairs, MITI

April 2001~July 2008: Vice President and Managing Director
Institute for International Studies and Training (IIST)

July 2008 ~June 2012: Vice Chairman and Executive Director Japan Auto-
mobile Importers Association (JAIA)

July 2012 to date: President, Asia Pacific Energy Research Centre. The Insti-
tute of Energy Economics, Japan

SI-3

RALPH D. SAMUELSON

Vice-President
Asia-Pacific Energy Research Centre



Education:

Stanford University Ph.D., Engineering-Economic Systems 1978 – 2004 Research Assistant for the Energy Modeling Forum. Dissertation: “Rate of Return Regulation and Efficiency; The Economics of the Natural Gas Pipeline and Distribution Industry”, supervised by Prof. James L. Sweeney.
Stanford University M.A., Economics 1978 – 1982 Received high marks on departmental Ph.D. comprehensive exams in microeconomics, macroeconomics, and econometrics.

Massachusetts Institute of Technology. M.S., Transportation Systems 1975 – 1977 Research work for Professor Paul Roberts included comparative study of COFC/TOFC Technologies, freight customer mode choice model, and thesis “Modeling the Freight Rate Structure”.

Stanford University B.S., Mathematical Sciences 1971 – 1975 Mathematical Sciences was a joint major offered by the departments of Mathematics, Computer Science, Statistics, and Operations Research.

Work:

Vice-President Asia-Pacific Energy Research Centre Government Agency; 11-50 employees; Oil & Energy industry January 2009 – Present (3 years 8 months) Chuo-ku, Tokyo, Japan

Chief Advisor - Energy Modeling New Zealand Ministry of Economic Development

Government Agency; 51-200 employees; Government Administration industry September 2004 – December 2008 (4 years 4 months) Wellington, New Zealand

Senior Director, Product Management, Automated Power Exchange (APX) Privately Held; 51-200 employees; Renewables & Environment industry May 1999 – April 2004 (5 years) Santa Clara, California

Director, Solutions Decision Focus Incorporated May 1989 – May 1999 (10 years 1 month) Mountain View, California, USA

Independent Consultant Self-Employed September 1981 – April 1988 (6 years 8 months) Stanford California

Graduate Student Intern United States Department of Energy July 1980 – August 1981 (1 year 2 months) Washington, DC

Market Research Analyst I.U. International June 1978 – August 1979 (1 year 3 months) Philadelphia, PA

Certifications: Zertifikat Deutsch (intermediate level German), June, 2004 exam followed course at the Goethe Institute in Frankfurt, Germany

SI-3



DMITRY A.SOKOLOV

Researcher, Asia Pacific Energy Research Centre (APERC)

Education:

September 1994- July 1999, Irkutsk State Economic Academy, Major: World Economy, Degree – Economist
July 1999-July 2002, Melentiev Energy Systems Institute

of Siberian Branch of the Russian Academy of Sciences, Post Graduate Education. Major: Energy Systems and Complexes

Work:

July 1999-September 2006, Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences, Department of Regional Problems in Development of Energy Sector. Position: Post Graduate Student, Researcher

September 2006-December 2009, Korean Energy Economics Institute, Center of Energy Research of North-East Asia, Position: International Researcher

December 2009-November 2011 Melentiev Energy Systems Institute of Siberian Branch of the Russian Academy of Sciences, Department of Regional Problems in Development of Energy Sector. Position: Researcher

December 2011 to date Researcher, Asia Pacific Energy Research Centre (APERC).

Contacts:

Present Position: Inui Building Kachidoki, 11F, 1-13-1 Kachidoki Chuo-ku, Tokyo 104-0054 JAPAN +81 3 5144 8553 (bus) +81 3 5144 8555 (fax)

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SI-4

MASAKAZU TOYODA

Chairman & CEO, The Institute of Energy Economics, Japan

Education:

University of Tokyo (graduated in 1973, Bachelor in Law)
Woodrow Wilson School of Public and International Affairs, Princeton University
(MPA: Master in Public Affairs, 1979)



Work:

Apr.1973 Joined the Ministry of International Trade and Industry (MITI)
May.1975 Petroleum Department, Energy and Resources Agency
May.1977 Woodrow Wilson School, Princeton University
May.1981 Division, Alternative Energy, Energy and Resources Agency
Aug.1983 International Energy Agency (IEA), OECD
Apr.1987 Director for International Trade Policy Planning, General Affairs Division, International Trade Policy Bureau
Aug.1990 Secretary to the Minister of International Trade and Industry
Mar.1991 Director, Tariff Division, International Economic Affairs Department, International Trade Policy Bureau
Jun.1992 Director, Aircraft and Ordnance Division, Machinery and Information Industries Bureau
Jul.1994 Director, Americas Division, International Trade Policy Bureau
Aug.1996 Director, General Affairs Division, Environmental Protection and Industrial Location Bureau
Jun.1998 Director, General Coordination Division, Minister's Secretariat
Aug.1999 Director-General, International Economic Affairs Department, International Trade Policy Bureau
Jan.2001 Director-General, Multilateral Trade System Department, International Trade Policy Bureau
Apr.2001 MITI was reorganized as the Ministry of Economy, Trade and Industry (METI)
Jan.2002 Director-General for Manufacturing Industries Policy
Aug.2003 Director-General, Commerce and Information Policy Bureau

Jul.2006 Director-General, Trade Policy Bureau
Jul.2007 Vice-Minister for International Affairs
Aug.2008 Special Adviser (METI)
Aug.2008 Secretary-General, Secretariat of Strategic Headquarters for Space Policy, Cabinet Secretariat
Nov.2008 Special Advisor to the Cabinet on Asian Economy, Cabinet Secretariat
June 2009 Special Advisor to the Cabinet on Climate Change, Cabinet Secretariat
Jul.2010 Chairman & CEO, The Institute of Energy Economics, Japan
Feb.2011 KAPSARC, International Advisory Board Member
Feb.2011 Accenture Global Energy Board (GEB).

SI-4

ITOH SHOICHI

Manager, Senior Analyst,
Global Energy Group 2, Strategy Research Unit

Specialty:

Energy Security International relations in the Asia-Pacific and Northeast Asia Russia, China

Work:

1993 - M.A. in Contemporary Russian and East European Studies, School of Slavonic and East European Studies (SSEES), University of London.

1998 - M.A. in International Political Economy, Graduate School of International Political Economy, University of Tsukuba, Japan.

2000-2003 - Political and economic attaché at Consulate-General of Japan in Khabarovsk.

2004-2010 - Economic Research Institute for Northeast Asia (ERINA)

2010 – Institute of Energy Economics, Japan (IEEJ)

Adjunct posts:

2006 - Visiting Fellow, Monterey Institute of International Studies (MIIS)

2008-2009 - Visiting Associate Professor, Slavic Research Center, Hokkaido University

2009 - Visiting Fellow, the Brookings Institution

2010 - Visiting Fellow, the Center for Strategic and International Studies (CSIS)



2007 to date - Asahi Asia Fellow, Asahi Shimbun Asia Network (AAN)

2010 to date - Non-resident Senior Research Fellow, Institute for Security and Development Policy (ISDP) in Stockholm

Major Publications:

“The Geopolitics of Northeast Asia's Pipeline” in Pipeline Politics in Asia: The Intersection of Demand, Energy Markets and Supply Routes, The National Bureau of Asian Research, 2010.

“Sino-Russian Energy Relations: True Friendship or Phony Partnership?”, Russian Analytical Digest, No.73, 2010.

“Russia's Energy Policy Towards Asia: Opportunities and Uncertainties”, in Christopher Len & Alvin Chew (eds.), Energy and Security Cooperation in Asia: Challenges and Prospects, Institute for Security and Development Policy, 2009.

“Is there a Solution?: Obstacles to and Prospects for Multilateral Energy Cooperation in Asia”, in Christopher Len & Alvin Chew (eds.), Energy and Security Cooperation in Asia: Challenges and Prospects, Institute for Security and Development Policy, 2009.

“After the Election: Will Japan be Different?”, posted on the website of the Brookings Institution, 14 September 2009.

“A Japanese Rethinking of Europe-Russia Relations”, posted on the Website of the Slavic Research Center, Hokkaido University, Japan, December 2008.

“China's Surging Energy Demand: Trigger for Conflict or Cooperation with Japan?”, East Asia: an International Quarterly, Vol. 25, No. 1, 2008.

“Japan's Energy Strategy and Development of Energy Cooperation in the Asia-Pacific”, ERINA Report, Vol. 77, 2007.

“Can Russia Become a ‘Regional Power’ in Northeast Asia?: Implications from Contemporary Energy Relations with China and Japan”, Security Challenges in the Post-Soviet Space, The Polish Institute of International Affairs, 2007.

“Sino-Russian Energy Relations: The Dilemma of Strategic Partnership and Mutual Distrust”, Hiroshi Kimura (ed.), Russia's Shift toward Asia, The Sasaki Peace Foundation, 2007.

"Prospects and Limits in Eastern Russia's Energy Potential: Implications for Northeast Asian Regional Cooperation", Greg Austin & Marie-Ange Schellekens-Gaiffe (eds.), Energy and Conflict Prevention, Madariaga European Foundation & the Bank of Sweden Tercentenary Foundation, 2007.

“Japan”, in Enhancing the Environmental Cooperation in Northeast Asia in a New Dimension: Regional Cooperation on the Kyoto Mechanisms (CDM/JI), ERINA booklet, Vol. 5, 2007.

(Co-editor) Enhancing the Environmental Cooperation in Northeast Asia in a New Dimension: Regional Cooperation on the Kyoto Mechanisms (CDM/JI), ERINA booklet, Vol. 5, 2007.

“The Pacific Pipeline at a Crossroads: Dream Project or Pipe Dream?”, ERINA Report, 2007.

“Energy Security Revisited: A Catalyst for Multilateral Cooperation in the Asia-Pacific Region and the Role of the U.S.-Japan Alliance”, posted on the Web site of the Center for Global Partnership, August 2006.

SI-5

PAVEL A. MINAKIR

Director, Institute of Economic Research FEB RAS,
Khabarovsk



Education:

Simferopol Technical Colledge (1963-1967), Moscow State University, Economic Department (1967-1972)

Degrees&Awards: Master of Economics (1977), Doctor of Economics (1985), Professor of Economic Theory (1988), Corresponding Member, Russian Academy of Sciences (1997), Academician, Russian Academy of Sciences (2006), Japan Sea Rim Economic Cooperation Award (1997), “Za Zaslugi pered Otechestvom” Decore’Medal (1999), “Sunrise” Decore, Japan (2006), Honorary Professor, Harbin Academy of Social Sciences (2001), Honorary Professor, St.-Petersburg University of Economics and Management (2008).

Work:

Director, Institute of Economic Research FEB RAS, Khabarovsk (1991- now)

Vice-Governor, Khabrovskii krai (1991-1993)

Director-Organizer, Institute of Comprehensive Analyses FEB RAS, Birobijan, Jewish Autonomy Region (1989-1991)

Research Fellow, Senior Researcher, Deputy Director, Institute of Economic Research, Khabarovsk (1976-1989)

Post Graduate Student, Institute of Economic Research, Khabarovsk (1972-1976)

Visiting Professor – MIIS (USA), 1994, 2002; University of California, Berkeley (USA), 1993; East-West Center (USA), 1988, 1996, 2004; Australian National University, 1990; Hokkaido University (Japan), 1988.

Academic Activity:

Redactor in Chief, Journal “Spatial Economics”

Member of Editorial Boards – “Region. Economics and Sociology”, “Far Eastern Affairs”, “Vestnik DVO RAN”, “Vestnik of Nortestern Scientific Center of the DVO RAN”, “Innovations”, “European Journal of Economic Studies”, “Siberian Studies”, “Federalism”

Member of the Russian National Asia-Pacific Economic Cooperation Council;

Member of the North-East Asia Economic Forum;

Chairman of the Khabarovskii krai’ Economic Council;

Chairman of the Joint Scientific Council on Social Science, Far Eastern Branch RAS.

Publications:

Synthes of Technologic and Economic Forecasts: Pacific Russia – 2050. Vladivostok, Dal’nauka, 2011 (rus)

Pacific Russia – 2030. Khabarovsk, DVO RAN, 2010 (rus)

Economy of Regions. Far East. Moscow, Ekonomika Press, 2006 (rus.)

Financial Crises on Emerging Markets. Moscow, Nauka Press, 2006 (rus.)

Spatial Transformation in Russian Economy. Moscow, Ekonomika Press, 2002 (rus.)

System Transformation in Russian Economy. Vladivostok. Dalnauka, 2001 (rus.)

Russian Far East: Reality and Prospects of Economic Development. Vladivostok, 1998 (rus., chinese)

Russian Far East: Transition Economy. Vladivostok, 1995 (rus.)

The Russian Far East: An Economic Handbook. M.E.Sharp, Armonk, N.Y., 1994 (rus., eng.)

CIS Energy and Minerals Development. Kluwer Academic Press, Amsterdam 1993 (eng.)

Soviet-Japanese Economic Ties in New Era. Sapporo, Hokkaido Simbun, 1989 (jap., rus.)

L’Extreme-Orient Sovietique: face a l’avenir. Moscow, Progress Publishing, 1988 (french, rus.)

Regional-Industries Economic Decisions’ Synthesis. Moscow, Nauka, 1986 (rus.)

Regional Economic Development: Programming Approach. Moscow, Nauka, 1983 (rus.)

Speakers Session 2

S2-1

OLEG S. IVANOV

Deputy Head of Prospective Development Directorate
Strategic Development Department
JSC Gazprom

Education:

Mr. Oleg Ivanov holds diplomas from St Petersburg Technical University (MSc, 1997) and the Academy of National Economy under the Government of Russian Federation (MBA, 2005).

Work:

Oleg Ivanov has been with Gazprom since 2002, which he joined from Giprotuboprovod, a subsidiary of Transneft responsible for the design of oil pipelines. Prior to that, Mr. Ivanov had been an executive with Giprospeetsgaz, an engineering institute active in the design of oil and gas transport infrastructure.

Contacts:

JSC Gazprom
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Russian Federation 117997
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E-mail: O.Ivanov@adm.gazprom.ru



ALEKSEY E. KONTOROVICH

Academician, prof., scientific advisor at the Institute of Petroleum Geology and Geophysics, Siberian Branch, Russian Academy of Sciences; Chair of the RAS Academic Board for geology and oil and gas fields development; member of the Presidium of the Siberian Branch of the RAS, Division of the Earth Sciences, Academic Board for sustainable fuel use issues, regional development issues; member of the Bureau of the Board

of Directors of RAS Institutes.

Government awards:

Government awards include the Orders of Merit for the Fatherland of III (2009) and IV Degrees (2004), Order of the Red Banner of Labor (1981), Order of Honor (2000), Russia's national public commemorative medal the Star of Creativity (2006), Medal for Distinguished Contribution to the development of Russia's mine and geological service (2007), Honorary Silver Medal of the Public Recognition (2007), Medals for Distinguished Labor (1974), for subsoil exploration and development of oil and gas complex of West Siberia (1987). A.E. Kontorovich was awarded the titles of Honored geologist of the RSFSR (1989), Honored Oilman (2003), Honored subsoil explorer (2004), Honored worker of gas industry (2004). In 2006, he was awarded by the inter-departmental badge of Miner's Glory of the I Degree and the badge of Merit for the Novosibirsk region.

A.E. Kontorovich is the Global Energy Prize laureate (2009), a winner of the State's Prize of the Russian Federation for the scientific substantiation and discovery of the Precambrian petroleum potential of the Siberian Platform (1994), State's Science and Technology Prize of the Russian Federation for the development of Russia's gas industry strategy (2002), A.N. Kosygin's Prize for implementation of new technologies in areas of gas and condensate production in the extreme climatic and subsurface conditions (2003), Russian Society of Petroleum Engineers Prize Golden Rosing (2003), I.M. Gubkin's Prize of the AN SSSR (1974), I.M. Gubkin's Prize of the Oil and Gas Industry (1982), V.I. Muravlenko's Prize (2003), Demidov's Prize (2005), Russian independent prize Triumph for scientific development incentive (2005), N.K. Baibakov's prize for achievement in solving the problems of energy and society sustained development.

A.E. Kontorovich is a honorary citizen of the Kemerovo region and the town of Prokopyevsk; AAPG member.

Publications:

A.E. Kontorovich is the author of more than 1000 scientific articles, including 55 monographs and has 4 author's and 3 inventor's certificates. Key monographs include: Source rocks and conditions of oil generation in the Mesozoic of the West Siberian plain (Nedra, Leningrad, 1967); Migration of dispersed bitumens (Novosibirsk, 1971); Petroleum geology of West Siberia (Moscow, 1975); Geochemical methods of quantitative prediction of petroleum potential (Moscow, 1976); Petroleum geology of the Siberian platform (Moscow, 1981); Prediction of oil and gas fields (Moscow, 1981); Nepa-Botuoba anticline as a new exploration target in the east of the USSR (Novosibirsk, 1986); An outline of the theory of naphthidogenesis (Novosibirsk, 2004); Petroleum geology in 3 vol. (Novosibirsk, 2008).

Contacts:

KontorovichAE@ipgg.nsc.ru

S2-3**JIANG QI**

Doctor, professor-level senior engineer

Education:

Graduated from Russian State Gubkin Oil and Gas University with a PhD degree in 1994, major in oil and gas field development.

Work:

He has taken various positions including general manager of the Joint-stock Company “CNPC International Aktobe”, president of CNPC International (Kazakhstan) Limited, and economic counselor in the Chinese embassy in Russia. As president of the China-Russia cooperation Department of China National Petroleum Corporation (CNPC), he is in charge of CNPC's oil and gas cooperation with Russian companies.

Research interests:

He has rich experience in energy cooperation with Russia and Central Asia.

S2-4



HIROFUMI ARAI

Senior Research Fellow, Research Division,
Deputy Director, General Affairs Division,
Economic Research Institute for Northeast Asia
(ERINA)

Education:

March 1988 - Graduated from the Faculty of Engineering, University of Tokyo
March 1990 - Master of Engineering (Urban engineering) Graduate School of Engineering, University of Tokyo

Work:

April 1990-March 2008: Niigata Prefectural Government
April 1997-March 1999: Seconded to Economic Planning Agency (current Cabinet Office) of Japanese Government
April 1999 - March 2004: Seconded to ERINA (Research Division and External Relations Division)
April 2005-March 2008: Seconded to ERINA (General Affairs Division and PR & Planning Division)
April 2008 to present: ERINA

Research Interests & Involved Projects:

- Research on cooperation in the transportation sector in Northeast Asia;
- Research on regional development of the Far East Region of Russia;
- Research on policies of Japanese local governments aiming at promotion of economic exchange with NEA countries/regions
- Secretary-General, Northeast Asia Gas and Pipeline Forum of Japan
- Transport Expert of the Greater Tumen Initiative (GTI)

S2-5

PANG CHANGWEI

Professor, Ph.D. tutor, China University of Petroleum (Beijing) International Oil Politics Research Center director.

Education:

Graduated from the Heilongjiang University department of Russian (1987), Heilongjiang provincial academy of social



sciences of the Siberian research institute (1995, master's degree in Russian and Soviet economic history), the Graduate School of the Chinese academy of social sciences Russia department of eastern Europe and central Asia (2002, doctor of law degree), Russia academy of sciences institute of Siberian branch of energy systems (2011, postdoctoral).

Main research interests:

Sino-Russian relations, China-Central Asia relations, international oil politics, ecological civilization and energy security.

Professional affiliations:

China Russia members of the institute of Eastern Europe and Central Asia, Director of China Institute of the history of Sino-Russian relations, Member of the academic Committee of the journal “China's petroleum and petrochemical”; Senior researcher of the China Energy Strategy Research Center.

Awards:

Ministerial awards two. “The Russian energy diplomacy and the Sino-Russian oil and gas cooperation”(Zheng Yu and Pang Changwei, the World Knowledge Publishing House, July 2003) was awarded in 2004 Beijing eighth philosophy social science outstanding achievement prizes at the second prize; “ the CIS decade: situation, problems of prospects” (Zheng Yu, Li Jianmin and others, the World Knowledge Publishing House, January 2002) in Chinese academy of social sciences, won the fifth session (2004) of outstanding scientific achievement award.

Scientific research achievements:

Responsible for the above provincial and ministerial projects: national project 1, the provincial or ministerial 3 items.

1. The Russian energy resources strategy and oil and gas diplomatic research (2003-2010)
2. Northeast Asian energy security dialogue mechanism (2006-2007)
3. China and the global oil and gas resources in key areas of cooperation research (2009-2012)
4. Russia's regional investment planning research (2009-2010)
5. The Russian Central Asia energy geopolitical economic research (2009-2012)

Representative works:

1. “Central Asia and Caspian Sea oil and gas pipeline geopolitical and economic game situation analysis” “Russian Studies” (the national Chinese core journals, CSSCI) 2006 the second period;

2. "Natural gas crisis between Russia and Ukraine and the game analysis of the flow of oil and gas in the Caspian Sea" "International Forum" (the national Chinese core journals, CSSCI) 2006 the third period;
3. "Russian population crisis and immigration policy perspective" "twenty-first Century" (Network Edition) February 2006 total the 47th issue;
4. "The dollar is soaring oil prices cause" "international financing" 2008 the sixth period;
5. "Xinjiang and Central the Asia cooperation: prospects of far-reaching significance" "Chinese economic and trade (Central Asia and Russia Edition)" 2008 the tenth period;
6. "Turkmen natural gas export diversification policy and decision analysis" "Russian Studies" (the national Chinese core journals, CSSCI) 2009 the sixth period;
7. "The Nabucco project and the United States and Europe, Russia and the Caspian Sea emerging resource countries energy game" "International Outlook" 2010 the second period;
8. "Nabucco natural gas pipeline and the Russian-European energy game" "World Economics and Politics (the national Chinese core journals, CSSCI)" 2010 the third period;
9. "Natural gas cooperation in Northeast Asia: prospect and problems" "Northeast Asia Forum (the national Chinese core journal, CSSCI)" 2010 the first period;
10. "Oil-political factors and the collapse of the Soviet Union" "Drilling and Petroleum (Russia)" 2010 the ninth period;
11. "The Soviet union's collapse oil prices factors" "the Novosibirsk University of Economics and Law journal" 2010 the second period;
12. "Price fluctuation and the disintegration of the Soviet Union" "Russian Studies" 2011 the sixth period;
13. "The oil price and Iran-American relations: a quantitative research perspective" Tsinghua University "international political research" 2011 the first period;
14. "Russia's energy strategy in the framework of external cooperation in energy" "International Economic Review" 2004 the sixth period;
15. "International oil politics" editor, China University of Petroleum press, November 2008.



LIANYONG FENG

Professor of the School of Business Administration China University of Petroleum, Beijing

Education:

Dr. Feng graduated and obtained his Bachelor's degree from University of Petroleum (East China) In 1988, with Management Engineering as his major. He continued his study and got his Master's degree three years later at the same university and has been teaching there for several years. Mr. Feng obtained his Doctor's degree on 10, October, 1997 from the Moscow Petroleum University, Russia. From August 1997 to July 1999, he served in Kazakhstan for the crude oil transportation and distribution.

Work:

From October 2000 to September 2003, he worked in the headquarter of the China National Petroleum Corporation (CNPC).

In September 2003, Dr Feng started his teaching and research career at China University of Petroleum, Beijing. He teaches the courses “International Petroleum Economics”, “Energy Economics” and “Peak oil” to undergraduates and graduate students. Dr Feng ever published more than forty articles and monographs. Now, he is the secretary of the ASPO-China, one of the academic organization of doing the research on Peak Oil and Peak Energy (see www.peakoil.net, www.cup.edu.cn/peakoil).

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ANDREY A. KONOPLYANIK,

Dr. of Science, Professor

Education:

He graduated from and received his PhD (in 1978) and Dr. of Science (in 1995) in international energy economics from Moscow-based State University of Management and Professor's degree (in 2012) from the Russian Gubkin State Oil & Gas University at the Chair "International Oil & Gas Business".



Work:

In late 70's and through 80's he researched international energy issues in the Institute of World Economy & International Relations, USSR Academy of Sciences (IMEMO). In 1990-91 he worked as a chief specialist in the USSR State Planning Committee (Gosplan) in the division of market analysis, department of foreign economic relations.

From 1991 to 1993 Prof. Konoplyanik served as Deputy Minister of Fuel and Energy of Russia with particular responsibility for external economic relations and direct foreign investments.

In 1996-1999 Prof. Konoplyanik worked as an Executive Director of the Russian Bank for Reconstruction and Development. In 1999 he created and until early 2002 was the President of the Moscow-based Energy and Investment Policy and Project Financing Development Foundation. In that capacity, and as a non-staff Adviser to the Russian Ministry of Energy, he has contributed to the drafting of the Russian Energy Strategy to 2020. Since 1993 till 2002 he has also worked as a non-staff Adviser to the Deputy Prime-Minister E.Gaidar, a number of Ministries in the Russian government (Fuel & Energy, Economy, Finance) and to the Russian State Duma (Committees on economic policy and on natural resources), where he headed the drafting group preparing investment-friendly legislation on Production Sharing Agreements. From 1997 till 2002 he was also a visiting lecturing professor on international energy markets in the State University of Management, Moscow.

From March 2002 till May 2008 Prof. Konoplyanik served as Deputy Secretary General of the Energy Charter Secretariat in Brussels, Belgium. Since July 2008 till September 2011 he was an Adviser to the Board, GPB Neftegas Services B.V., Moscow branch, and a Consultant to the Board, Gazprombank, Russia. Since September 2011 till May 2012 he was Director for energy mar-

kets regulation and project leader, Foundation “Institute for Energy and Finance”. Since October 2008 he is also a visiting lecturing professor at the Chair "International Oil and Gas Business", Russian Gubkin State Oil and Gas University, with his special course on evolution of international oil and gas markets and instruments of investment protection & stimulation in energy. Prof. Konoplyanik is a Honorary fellow at the Centre for Energy, Petroleum and Mineral Law & Policy, University of Dundee (Scotland, UK), and is a member of the IBA, IAEE and AIPN.

Research interests:

Andrey A. Konoplyanik is an energy economist by background (major professional areas - energy economics, evolution of international energy markets, energy & investment legislation, energy financing).

Publications:

He wrote about 500 articles on energy issues published both in USSR/Russia and abroad, and participated in around 70 monographs, incl. 14 individual. He is a frequent speaker at international energy conferences.

D2-1



NATALYA I. PYATKOVA

Head of Energy security laboratory at the Energy Systems Institute, PhD

Education:

Graduated from Ufa Oil Institute, speciality “Economics and Organization of oil and gas industry”.

Work:

She works as Head of Energy security laboratory at the Energy Systems Institute, PhD.

Research interests:

- development and application of mathematical methods and models to the problems of reliability and survivability in the energy security;
- impact of energy security requirements on the functioning and development of Russia’s energy sector;
- development of information technologies for research into Russia’s energy sector;

The scientific results obtained by Pyatkova N.I. have been widely tested in

the development of strategic programs for the development of RES in terms of the energy security requirements.

She is a developer:

- "Basic principles of the Concept of the global energy security point scale" (prepared for G8-Summit, 2006),
- An integrated program "Energy Development in East Siberia and the Far East";
- Supporting materials for "The regional energy policy concept of JSC "Gazprom";
- "Development of recommendations for the prevention of critical situations in the regional energy systems"

Pyatkova N.I. authored about 150 scientific papers in the area of the fuel supply reliability and energy security of Russia.

Contacts:

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D2-1

MICHAEL B. CHELTSOV

Leading researcher ESI SB RAS, PhD

Education:

Graduated from Tomsk Electromechanical Institute of Transport Engineer as electrical engineer.

Work:

He works as a leading researcher ESI SB RAS, PhD. Cheltsov M.B. is Honorary worker of Energy complex.



Research interests:

- Rationale for the development of Russian energy trends from the standpoint of energy security for the future up to 2030;
- Increased reliability and survivability of power systems as a factor of stabilization of the economy of Russia;
- The influence of trends in raw materials sources and equipment reliability on Russia energy security.

Scientific results obtained by Cheltsov M.B. have been widely tested in the development of strategic programs for the development of RES in terms of the energy security requirements.

He is a developers of:

- Supporting materials for the Energy Strategy of Siberia;
- "Basic principles of the Concept of the global energy security point scale" (prepared for G8-Summit, 2006),
- An integrated program “ Energy Development in East Siberia and the Far East”;
- Supporting materials for "The regional energy policy concept of JSC “Gazprom”;
- Draft Energy Security Doctrine.

Cheltsov M.B. is the author of nearly 250 scientific papers in the area of future development and reliability of electric power systems, as well as for ensuring the reliability of fuel supply and energy security of Russia.

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D2-2



ALEKSANDR E. TARASOV

Chief Science Fellow, Energy Research Institute, RAS (ERI RAS)

Education:

Candidate of Sciences (Technology).

Work:

Chief Science Fellow, Energy Research Institute, RAS (ERI RAS)

Research interests:

His key areas of research: computational methods for gas sector modelling and optimisation.

Contacts:

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Energy Research Institute, RAS (ERI RAS)



SERGEY N. SOROKIN

Analyst at The Energy Research Institute of the Russian Academy of Sciences (ERI RAS)

Education:

Gubkin Russian State University of Oil and Gas (former Moscow State Academy of Oil and Gas)

Master's degree, Underground storage of gases and liquids

Graduate master dissertation on a topic: UGS Development Strategy in the North-West F.D. Supervisor: PhD., Karen Manoukyan

Work:

Analyst at The Energy Research Institute of the Russian Academy of Sciences (ERI RAS)

Research interests:

- Analysis of energy consumption in the region over the retrospective period;
- Analysis of the gas market in the region;
- Analysis of gas consumption in the context of territorial and sectorial;
- Analysis of the flexibility of gas supplies;
- Analysis of the impact of gas supplies to gas markets;
- Analysis of the expected capacity of the gas market;
- Assessment of the prospects of development of the gas market in view of the interchangeability of energy sources;
- Evaluation of the current state of storage facilities in the region;
- Estimation of the required volume of gas reserves in underground storage facilities on the basis of multi-purpose of his;
- Determination of the probable locations of UGS;
- Conduct economic calculations for projects of creation and operation of underground storage facilities;
- Analysis of major issues and prospects of shale gas production.

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Speakers Session 3

S3-1

VLADIMIR V.SAENKO

Deputy Director General of Institute of Energy Strategy, Ph.D. in Economics



Research interests:

Research interests are in the field of domestic and foreign energy policy of Russia, monitoring of Energy Strategy (ES) implementation, scientific support of regional energy programs, forecasting of energy development, international energy cooperation.

Scientific results of V.V. Saenko's work were widely used in development of strategic energy programs of branch, regional and corporate development, justification of the priority directions of investment, social and export policy.

He is the author of more than 100 scientific publications, including some monographs.

V. V.Saenko is one of the developers of "Energy Strategy of Russia up to 2020" (approved by the Order of the Government of the Russian Federation No. 1234-r on August 28, 2003); "Energy Strategy of Russia up to 2030" (approved by the Order of the Government of the Russian Federation No. 1715-r on November 13, 2009); Eastern Gas Program, etc.

Contacts:

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Energy Research Institute, RAS (ERI RAS)

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BORIS G. SANEEV

Deputy Director of Scientific Work, Head of Department of Regional Problems in Energy Development at Melentiev Energy Systems Institute of SB RAS

Education:

Ph.D. in Economics (1972), D.Sc. in Engineering (1991), Professor (1994).

Work:

The area of B.G. Saneev's scientific interests is study of the problems of economy and energy development in the country and regions, energy cooperation of Russia and Northeast Asia countries. Main directions of studies are creation of scientific bases of the regional energy policy; development of the concepts and forecasts of energy development in the country and Siberia and the Far East and mechanisms of their implementation.

Under B. G. Saneev's guidance and with his direct participation the strategies of energy development in Eastern Siberia and the Far East up to 2030, the strategies and programs of energy development in Sakha Republic (Yakutia), Khabarovsk territory, Chukot autonomous district, Sakhalin, Magadan, Amur and Irkutsk regions have been developed in recent years within the framework of studies on substantiation of the energy strategy of Russia up to 2030, the strategies of social and economic development of the Far East and the Baikal region up to 2025, the strategies of social and economic development of Siberia up to 2020, the strategies of social and economic development of subjects of the Russian Federation on the territory of Eastern Siberia and the Far East.

Publications:

B.G. Saneev is the author and coauthor of more than 340 scientific works, including 65 collective monographs. Some works were published abroad.

Professional Memberships:

B.G. Saneev is Vice-Chairman of the joint Scientific Council of SB RAS on economic sciences, member of the Editorial Board of the Russian journal "Region: ekonomika i sotsiologiya", member of the Executive Committee of the Northeast Asia Gas Pipeline Forum (NAGPF), member of the Working Group on energy planning inside the UN Commission on social and economic development of APR countries (ESCAP).

Government awards:

B.G. Saneev is honored veteran of SB RAS, decorated with the medal “For labor valor”, the order “People’s Friendship”, honored scientist of Sakha Republic (Yakutia) (2000), honored scientist of the Russian Federation (2011), Krzhizhanovsky Prize laureate of RAS (2006), laureate of the prize of Government of the Russian Federation in the field of science and technology (2011) for a series of works “Regional energy strategies and programs: methodology and experience of development”.

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S3-3**NIKOLAI A. PETROV**

Head of Department in the Federal state-financed academic institution V. P. Larionov Institute of Technical Problems of the North, Siberian Branch, Russian Academy of Sciences

**Education:**

Moscow Institute of Agricultural Engineering, Moscow, electrical engineer, 1951-1956.

Doctor of Science (Engineering), full professor, Power Problem department Head, Institute of Technical Problems of the North, Siberian Branch, Russian Academy of Sciences.

State and official Honours:

Honoured Worker of the National Economy of the Yakut Autonomous Soviet Socialist Republic, USSR; Honorary Worker of Power Industry of the Russian Federation; laureate of State Award of the Sakha Republic (Yakutia) in Science and Engineering; Honoured Science and Engineering Worker of the Russian Federation.

Research interests:

Elaboration of methods and instruments for study of interrelations of power industry, economy, and social sphere; study of fuel energy basis of interregional and international significance; elaboration of requirements for design and production of equipment and controlling means for small-scale power engineering.

Publications:

Author and co-author of about 250 scientific publications, 6 treatises inclusive;

Under the supervision of N.A. Petrov, the following state documents confirmed by the Sakha Republic (Yakutia) government have been elaborated:

- «Power Industry Programme of the Yakut –Sakha Republic up to 2010 », 1991;
- Sub-programme «Fuel Power Complex» of the federal programme «Social Economic Development of Sakha Republic (Yakutia)», approved by the Russian Federation government on February 7, 1995, №115;
- «Concept of Power Policy of Sakha Republic (Yakutia) », 1997;
- «Programme of stabilization and development of Electric Power Industry in Sakha Republic (Yakutia) », 1997;
- «Fuel Power Balance of Sakha Republic (Yakutia)» Part I, 2005;
- «Fuel Power Balance of Sakha Republic (Yakutia)» Part II, 2006;
- Part «Current State and Perspectives of Fuel Power Complex Development» «Schemes of Complex Development of Production Forces, Power Engineering, and Transport of Sakha Republic (Yakutia) up to 2020», considered and approved at session of the Russian Federation government on February 8, 2007;
- «Power Industry Development Strategy in Sakha Republic (Yakutia) up to 2030», 2009.

S3-3

MIKHAIL P. LEBEDEV

Director of the Federal state-financed academic institution V. P. Larionov Institute of Technical Problems of the North, Siberian Branch, Russian Academy of Sciences

Education:

Moscow Institute of Agricultural Engineering, Moscow, machine engineer, 1976-1981;

Moscow Aviation Technology Institute, Moscow, production engineer, 1990-1991

Candidate of Science (Engineering), 1990

Doctor of Science (Engineering), 1999

Associate Member, Russian Academy of Sciences (elected in 2011)

State and official Honours

Honoured Science Worker of the Sakha Republic (Yakutia), 2007;



Honorary Worker of Motor Transport of the Sakha Republic (Yakutia), 2009;
Honoured Veteran of the Siberian branch, Russian Academy of Sciences,
2010

Work:

08.06.2010 up to now – Institute of Technical Problems of the North, Siberian Branch, Russian Academy of Sciences, Director;

03.2009 – 06.2010 - Institute of Technical Problems of the North, Siberian Branch, Russian Academy of Sciences, Vice- Director;

05.1999 г. – 03.2009 – Yakut Science Centre Prezidium, Siberian Branch, Russian Academy of Sciences, Chief Scientific Secretary, Vice Chairman;

06.1992 г. - 05.1999 – Theoretical Engineering Department Head, Yakut State University named after M. K. Ammosov;

06.1991 г. – 06.1992 – small-scale production and service enterprise “EKOTRANS”, director;

10.1981 г. – 06.1991 - Institute of Technical Problems of the North, Yakut affiliation Siberian Branch, USSR Academy of Sciences, intern researcher.

S3-3



PAVEL A. MARINYCHEV

Vice Chairman of the Sakha Republic (Yakutia) government

Education:

Novosibirsk State Academy of Economics and Management- economist, major in finance and credit, 2000 г.

Institute of Oil and Gas Business, Russian Academy of State Service under the Russian Federation President, manager in oil and gas business

Work:

2000-2001. – Ministry of Fuel Power, Sakha Republic (Yakutia), department of economics management, leading specialist;

2001-2005 – State Committee for Price Policy, leading specialist, chief specialist, department head, vice-chairman of the regional power commission of the Sakha Republic (Yakutia);

2005-2010 – vice-director, first vice- director of the stock company “Sakha-transneftegas”;

2010- up to now. – Vice Chairman of the Sakha Republic (Yakutia) government.

Research interests:

Supervises issues of industrial policy implementation, geology, power industry, housing and communal services development, power supply preservation, state policy in construction and architecture of the Sakha Republic (Yakutia).

Provides control over implementation of the national project “Available Housing’ in the Sakha Republic (Yakutia).

Supervises commissions and counsels for the above-mentioned issues.

Organizes work and exercises control over the following bodies of state power of the Sakha Republic (Yakutia):

Ministry for Housing and Communal Services and Power Industry, Sakha Republic (Yakutia);

State Committee for Geology and Natural Resource Utilization, Sakha Republic (Yakutia);

State Housing Service Inspection, Sakha Republic (Yakutia);

Ministry for Architecture and Construction, Sakha Republic (Yakutia);

State Agency for Construction Supervision, Sakha Republic (Yakutia).

Provides cooperation of the Ministry of Economics and Industrial Policy of the Sakha Republic (Yakutia) on issues of implementation of industrial policy.

Provides cooperation with regional bodies of federal executive power on issues under his supervision.

State awards:

Certificate of Appreciation of the Sakha Republic (Yakutia) government

Letter of Gratitude from the Sakha Republic (Yakutia) President

Contacts:

677000, Sakha Republic (Yakutia), Yakutsk, Kirov st., 11, Sakha Republic (Yakutia) government residence №1, room.357, phone:.(4112)32-57-70, fax: (4112) 42-01-92

S3-4**ALEXEI A. KAPLUN**

Deputy Director General of Strategy and Investments, Counselor of the 1st category JSC “RAO Energy Systems of East”

Education:

University level degree

Work:

Period: 2011 – present

Entity: JSC “RAO Energy Systems of East”

Position: Deputy Director General for Strategy and Investments, Counselor of the 1st category

Period: 2007 – 2011

Entity: JSC “INTER RAO UES” (prior to 2008 – CJSC “INTER RAO UES”)

Position:

Head of a Project Team, Head of the Directorate for Organization of Management, Head of the Department of Production, Deputy Head of Sector – Head of the Production Development Department of the Sector of Production.

D3-1**ANATOLY V. LAGEREV**

Leading Researcher at Melentiev Energy Systems Institute of SB RAS, Candidate of Technical Sciences.

Education:

In 1974 he graduated from Irkutsk Polytechnic Institute, the Energy Chair and began to work at Siberian Energy Institute of SB RAS.

**Research interests:**

The sphere of research interests is methods and models for studying and assessment of the main directions in the national and regional FEC development, study of complex problems in FEC development and the impact of energy development on the environment.

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D3-2**ALEKSANDR S. LUKYANOV**

Senior Scientist at the Energy Research Institute, RAS, Moscow, Russia

Education:

He has a Cand. Tech. Sc. degree.

Work:

Senior Scientist at the Energy Research Institute, RAS, Moscow, Russia.

Research interests:

- operations and financial system optimisation for the oil and gas sector,
- computing methods,
- risk analysis.

Contacts:

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Energy Research Institute, RAS, Moscow, Russia

D3-3



IRINA YU. IVANOVA

Head of Laboratory (since 2012) of energy supply of consumers to remote areas at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences

Education:

Graduated from the Cybernetic faculty of the Irkutsk Polytechnic Institute in 1981 (with two specialisations: in Computer-aided Management and Large Energy Systems). Received PhD (in economics) in 2004 at the Baikal

State University of Economics and Law.

Work:

1981 – now: Researcher, Senior Researcher, Principal Researcher (since 2007), Head of Laboratory (since 2012) of energy supply of consumers to remote areas at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences

Research interests:

- renewable energy development issues
- energy cooperation options in the Asia Pacific Region
- small-scale energy
- energy supply policy for consumers in the northern and remote areas

Publications:

Have more than 70 scientific publications.

Major publications:

Small energy of the North: problems and ways of development, Ivanova I.Yu., Tuguzova T.F., Popov S.P., Petrov N.A., Novosibirsk, Nauka, 2002, 188p. (in Russian).

Methods and models for Regional Energy Programmes development, Saneev B.G. (ed), Novosibirsk, Nauka, 2003, 140p. (in Russian)

Energy of Khabarovskiy Krai present and Strategic Development, Ishaev V.I. (ed), Vladivostok – Khabarovsk Far Eastern Branch of RAS, 2005, 155p. (in Russian).

Regional Development Strategy: the Republic of Buryatia – 2015, Granberg A.G., Minakir P.A., Potapov L.V. (ed), Moscow, Economica, 2005, 624p. (in Russian).

Fuel and Energy complex of Sakhalin region: current state and prospects for development, Saneev B.G., Tikhonkikh V.N. (ed), Moscow, Energy, 2010, 240p. (in Russian).

Fuel and Energy complex of Amur region: current state and prospects for development, Saneev B.G., Peskov V.E. (ed), Moscow, Energy, 2010, 240p. (in Russian).

Energy Strategy of the Republic of Sakha (Yakutia) for the period up to 2030, Alexseev G.F., Petrov N.A. (ed), Yakutsk – Irkutsk, 2010, 328p. (in Russian).

The unconventional energy sector in energy saving of isolated consumers in the North areas, Saneev B.G., Ivanova I.Yu., Tuguzova T.F., Petrov N.A. / Problems of unconventional energy sector: Materials of the Scientific Session of the Presidium of the Siberian Branch of RAS / Russian Academy of Sciences, Siberian Branch, Novosibirsk: Izdatelstvo SB RAS, 2006, 201 p. (P.55-70), (in Russian).

Efficiency and scales of renewable energy sources using for isolated consumers, Ivanova I.Yu., Popov S.P., Tuguzova T.F. / Izvestiya RAN. Energetika, №3, 2006, P.110-114 (in Russian)

Energy Sources in the Eastern Regions of Russia: Problems and Prospects Utilization of Renewable, Saneev B.G., Ivanova I.Yu., Tuguzova T.F. // Erina Report – vol. 94, July 2010. – P. 46-61.

Renewable energy resources of the Sakhalin region: assessment and priorities of utilization, Ivanova I.Yu., Tuguzova T.F., Khalgayeva N.A., Tikhonkikh V.N. // Geography and Natural Resources., vol. 31, 2010, P. 48-52.

The Eastern Vector of Russia's Energy Strategy: State of the art and Prospects, Voropai N.I. (ed), Saneev B.G. (ed), Novosibirsk, Academic Publishing House "Geo", 2011, 368p. (in Russian)

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TATIANA F. TUGUZOVA

Senior Researcher at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences

Education:

Graduated from the Energy faculty of the Irkutsk Polytechnic Institute in 1975 with the specialization in industrial thermal energy supply. She received the Ph.D degree in renewable energy from Energy Systems Institute in 2004.

Work:

1985 – now: Researcher, Senior Researcher at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences

Research interests:

- renewable energy resources
- renewable energy development issues
- energy supply policy for consumers in the northern and remote areas

Publications:

Have more than 70 scientific publications.

Major publications:

Small energy of the North: problems and ways of development, Ivanova I.Yu, Tuguzova T.F., Popov S.P., Petrov N.A., Novosibirsk, Nauka, 2002, 188p. (in Russian).

Methods and models for Regional Energy Programmes development, Saneev B.G. (ed), Novosibirsk, Nauka, 2003, 140p. (in Russian)

Energy of Khabarovskiy Krai present and Strategic Development, Ishaev V.I. (ed), Vladivostok – Khabarovsk Far Eastern Branch of RAS, 2005, 155p. (in Russian).

Regional Development Strategy: the Republic of Buryatia – 2015, Granberg A.G., Minakir P.A., Potapov L.V. (ed), Moscow, Economica, 2005, 624p. (in Russian).

Fuel and Energy complex of Sakhalin region: current state and prospects for development, Saneev B.G., Tikhonkikh V.N. (ed), Moscow, Energy, 2010, 240p. (in Russian).

Fuel and Energy complex of Amur region: current state and prospects for development, Saneev B.G., Peskov V.E. (ed), Moscow, Energy, 2010, 240p. (in Russian).

Energy Strategy of the Republic of Sakha (Yakutia) for the period up to 2030, Alexseev G.F., Petrov N.A. (ed), Yakutsk – Irkutsk, 2010, 328p. (in Russian).
The unconventional energy sector in energy saving of isolated consumers in the North areas, Saneev B.G., Ivanova I.Yu., Tuguzova T.F., Petrov N.A. / Problems of unconventional energy sector: Materials of the Scientific Session of the Presidium of the Siberian Branch of RAS / Russian Academy of Sciences, Siberian Branch, Novosibirsk: Izdatelstvo SB RAS, 2006, 201 p. (P.55-70), (in Russian).
Efficiency and scales of renewable energy sources using for isolated consumers, Ivanova I.Yu., Popov S.P., Tuguzova T.F. / Izvestiya RAN. Energetika, №3, 2006, P.110-114 (in Russian)
Energy Sources in the Eastern Regions of Russia: Problems and Prospects Utilization of Renewable, Saneev B.G., Ivanova I.Yu., Tuguzova T.F. // Erina Report – vol. 94, July 2010. – P. 46-61.
Renewable energy resources of the Sakhalin region: assessment and priorities of utilization, Ivanova I.Yu., Tuguzova T.F., Khalgayeva N.A., Tikhonkikh V.N. // Geography and Natural Resources., vol. 31, 2010, P. 48-52.
The Eastern Vector of Russia’s Energy Strategy: State of the art and Prospects, Voropai N.I. (ed), Saneev B.G. (ed), Novosibirsk, Academic Publishing House “Geo”, 2011, 368p. (in Russian)

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Speakers Session 4

S4-1

SERGEY V. PODKOVALNIKOV

Head of laboratory Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences (ISEM)

Education:

Graduated from Irkutsk Polytechnic Institute as electrical engineer in 1980. In 1989 he defended thesis on application of mathematical methods for decision-making under uncertainty and multiple criteria to energy studies and received Degree of candidate of technical sciences (Dr.). He is IEEE Member.



Work:

In 1997 – 1998 he was with Pace University (USA) as Fulbright Scholar. In 2003-2005 he took part in NEAREST (North East Asia Region Electric System Ties) project working with Korea Electrotechnology Research Institute (Republic of Korea). For the time being he is head of laboratory of ISEM.

Research interests:

His research interests are: methods for decision-making in energy under uncertainty and multiple criteria, interstate electric ties and interconnected power systems, expansion planning of electric power industry in market environment, electric power industry liberalization. He is the author and co-author of nearly 140 scientific papers and books, including monograph “Effectiveness of interstate electric ties”.

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S4-1



VLADIMIR A. SAVELYEV

Senior researcher at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences (ISEM)

Education:

Graduated from Moscow Energy Institute as hydropower engineer in 1955.

Work:

He is senior researcher of ISEM and senior adviser of the Academy of Water Problems.

Research interests:

His research interests are: long term development, optimization and scheduling of power systems and cascades of hydropower plants, hydropower safety, methods for electricity tariffs setting for power systems with substantial hydropower capacities, interstate electric ties and interconnected power systems. He is the author and co-author of more than 120 scientific papers and books, including monograph “Effectiveness of interstate electric ties”.

Contacts:

Tel. (3952)500-646 add 425

S4-1



LYUDMILA YU. CHUDINOVA

Senior researcher at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences (ISEM)

Education:

Graduated from Leningrad Polytechnic Institute as hydropower engineer in 1990. In 2005 she received Degree of candidate of technical sciences (Dr.) in the field of power system interconnections in Northeast Asia.

Work:

She is senior researcher of Energy Systems Institute named after L.A Melentiev (ISEM).

Research interests:

Her scientific interests are: interstate electric ties and interconnected power systems, hydropower and electric power. She published 40 scientific papers and books, including monograph “Effectiveness of interstate electric ties”.

Contacts:

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Tel. (3952)500-646 add 426

S4-2**OCHIRBAT PUNSALMAAGIIN**

Professor and adviser to the School of Mining Engineering at the Mongolian University of Science and Technology
Dr. Sc. (Economics); Academician of the Mongolian Academy of Sciences; Honorary Professor of Dankook University (the Republic of Korea); Honorary Professor of the Mongolian University of Science and Technology; Honorary lawyer of Wesleyan University (USA); Honorary Professor of Saint Petersburg Mining Institute (Russia).

**Education:**

1975 – received his PhD degree in Engineering from Moscow Geological Prospecting Institute.

1999 – received his Dr. Sc. degree in Economics from Saint Petersburg Mining Institute.

Work:

1972-1976 – Deputy Minister of Energy, Mining and Geology of Mongolia.

1976-1985 – Minister of Energy of the People’s Republic of Mongolia.

1985-1990 – Chairman of Mongolia’s State Committee for Foreign Economic Relations.

1990-1997 – first President of People’s Republic of Mongolia

Research interests:

OCHIRBAT Punsalmaagiin is the author of 45 and a co-author of 18 books on the strategy for the development of energy and mining industry of Mongolia, on the issues of environment, management and sustainable development; author of 45 published scientific papers; director and participant of many government programs and developer of laws.

Government awards:

OCHIRBAT Punsalmaagiin is a supervisor of 8 PhD theses. He was awarded the highest prize of Mongolia – the Order “Genghis Khan”, the Order “Polar Star”, and many medals.

S4-2**BATCHUYAG SODOVYN**

Dr. Sc. (Engineering), professor of the School of Electrical Engineering at the Mongolian University of Science and Technology; foreign member of the Russian Academy of Natural Sciences. Author of 50 scientific papers, including 2 monographs on the issues of Mongolia’s energy development strategy, and 5 textbooks and manuals on economics, management, and marketing in the energy sector; director and participant of more than ten programs and projects on the issues of Mongolia’s energy development and construction of energy facilities.

Education:

1980 – received his PhD degree in Engineering from Moscow Power Engineering Institute.

1997 – received his Dr.Sc. degree in Engineering from Energy Systems Institute SB RAS.

Work:

1976 – 1984 – Deputy Minister of Energy at the Ministry of Energy of the People’s Republic of Mongolia.

1984 – 1985 – Deputy Head of the Industry Department of the Central Committee of the Mongolian People’s Revolutionary Party.

1985 – 1987 - Minister of Energy of the People’s Republic of Mongolia.

1987 – 1990 - Minister of Energy, Mining and Geology of Mongolia.

Government awards:

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Received Ph.D (engineering) in 1983 at Siberian Energy Institute in Irkutsk.

Received Dr.Sci. (engineering) in 2006 at Energy Systems

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Work:

1975 – now: Researcher, Senior Researcher, Head of Laboratory at Energy Systems Institute of SB RAS

Research interests:

Specialized in the area of Energy-Fuel Complex. Engaged in devising the methods of mathematical modeling of Energy-Fuel Complex, means of information and software support to solve the problems of Energy-Fuel Complex management. Participates in studies on elaboration of the energy program of Russia's development, including the programs of development of Siberia and the Far East, on the analysis of energy security of Russia. Application of mathematical methods for forecast development of the regional energy systems in Siberia and Far East of Russia. Problems of development of the coal industry in Russia as a whole, Siberia and Far East of Russia in particular. Estimation of the export potential of Energy-Fuel Complex of Siberia and the Far East, efficiency of electric power export to Northeast Asia countries, analyze methods for monitoring the investment programs in of Energy-Fuel Complex Development of Siberia and Far East. Methods and models for forecasting of Russian coal industry development.

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Speakers Session 5

S5-1

DETLEF F. SPRINZ

Senior Scientist with the Research Domain “Transdisciplinary Concepts & Methods” of PIK—Potsdam Institute for Climate Impact Research, Germany; a Professor with the Faculty of Economic and Social Sciences at the University of Potsdam, Germany; Chairman of the Scientific Committee of the European Environment Agency, Copenhagen, Denmark; and a Senior Research Fellow with CICERO - Center for International Climate and Environmental Research – Oslo, Norway.



Education:

He holds a Ph.D. and a M.A. in Political Science from the University of Michigan, Ann Arbor, MI, USA, and an M.A. (“Diplom-Volkswirt”) in Economics from the University of the Saarland, Saarbrücken, Germany.

Research interests:

His areas of research and publications encompass long-term policy, inter/national institutions & the evaluation of their performance, European & international environmental policy, and modeling political decisions.

Work:

He is the guest editor of the special issue of *Global Environmental Politics* on “Long-term Environmental Policy” (2009), co-editor of *International Relations and Global Climate Change* (The MIT Press, 2001; second revised edition in progress), and of *Models, Numbers, and Cases: Methods for Studying International Relations* (The University of Michigan Press, 2004) in addition to numerous journal articles.

Detlef Sprinz has taught international relations, international and European environmental policy, and social science methodology at the University of Michigan, Ann Arbor, MI, USA; the University of Potsdam, Germany; in the joint MA program in International Relations (MAIB) of the Free University Berlin, Humboldt University of Berlin, and the University of Potsdam; as well as in the Master of Public Management program of the University of Potsdam. Furthermore, he is a member of the European Academy, Bad Neuenahr-Ahrweiler, Germany; and serves on the advisory boards of national, European, and international projects and institutions. See www.sprinz.org for further details.

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Specialist of the Russian Energy Agency of Energy Ministry of Russia

Education:

September 2005 – June 2012: Economic Faculty, Lomonosov Moscow State University, Master of Economics, Moscow, Russia

October 2010: Vienna University of Economics and Business,

October 2011: Additional Education in Business Administration and Management Vienna, Austria

Work:

Since 2012 FSBO Russian Energy Agency, Ministry of Energy International Strategic Cooperation Development, Specialist Moscow, Russia

March – October 2010 Federal State Statistics Service, Department of Population and Healthcare Statistics, Economist Moscow, Russia

January – September 2009 ECORYS-NEI, Research and Consulting Moscow, Russia

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S5-3



SERGEI M. SENDEROV

deputy director of the Energy Systems Institute SB RAS, head of the Energy Security department, professor

Education:

Graduated from Irkutsk Polytechnic Institute in 1986.

In 2008 he defended his doctoral thesis on "The Methodology and practice of the study of energy security of Russia with emphasis on the role of the gas industry".

Work:

Deputy director of the Energy Systems Institute SB RAS, head of the Energy Security department.

Research interests:

the reliability of fuel and energy supply, energy security, the research questions the survivability of power systems, the problems of gas and oil sectors. Author and coauthor of more than 100 scientific publications, including 17 monographs.

He is the primary developer of methodologies assessing the level of energy security of Russia and its regions, actively participated in the development of the Doctrine of Russia's energy security.

Participated in the development of a number of regional energy programs in the analysis of the state and prospects for energy security in these regions.

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Education:

Graduated from the Cybernetic faculty of the Irkutsk Polytechnic Institute in 1982 (with two specialisations: in Computer-aided Management and Large Energy Systems). Receive PhD (engineering) in 1993 at the Siberian Energy Institute, Siberian Branch of the Russian Academy of Sciences.

Work:

1982 – now: Researcher, Senior Researcher, Head of Laboratory (since 1995), Director (since 2011), International Research Centre for Energy Infrastructure in Asia at the Energy Systems Institute, Siberian Branch of the Russian Academy of Sciences

1991 (May-August): Researcher with the Transboundary Air Pollution Project, IIASA, Austria

2004-2011: Senior Researcher, Team Leader (since 2006) at the Asia-Pacific Energy Research Centre, Japan

Research interests:

- export markets for the Siberian and the Russian Far East energy
- renewable energy development issues
- long-term investment assessments along total energy supply chain

- environmental issues of energy systems development
- energy cooperation options in the Asia Pacific Region

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PhD of Economics, prof., Head of the Laboratory of Hydrocarbon Resources & Forecasts for Oil and Gas Complex Development at the Institute of Petroleum Geology and Geophysics, Siberian Branch, Russian Academy of Sciences; Corresponding Member of the Russian Academy of Natural Sciences; Academician of the European Academy of Natural Sciences.

Research interests:

Key research areas include: analysis of the current state and growth potential of Russia's oil and gas complex, global hydrocarbon markets; monitoring of oil majors' activities, economic assessment of global and domestic mineral resource base & oil and gas resource base.

The results by Eder L.V. have proved their practical value and have been used successfully in many strategic programs for industrial, regional, and corporate development; they have been extensively utilized for justification of high-priority investment, social and export activities.

Publications:

Eder L.V. is the author and coauthor of more than 250 scientific articles, including 15 monographs.

Eder L.V. has participated in the development of a series of documents, including the Energy strategy of Russia until 2020 (approved by the Resolution of the RF Government #1234-p of Aug. 28, 2003), Energy strategy of Russia until 2030 (approved by the Resolution of the RF Government #1715-p of Nov. 13, 2009), Strategy of economic development of Siberia (approved by the Resolution of the RF Government #765-p of Jun. 7, 2002), Strategy of social and economic development of Siberia until 2020 (approved by the Resolution of the RF Government # 1120-p of Jul. 5, 2010), Strategy of social and economic development of the Russian Far East and Baikal region until 2025 (approved by the Resolution of the RF Government #2094-p of Dec. 29, 2009).

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OLGA V. DEMINA

senior research assistant at the Economic Research Institute of Far Eastern Branch of Russian Academy of Sciences (Khabarovsk).

Research interests:

quantitative analysis and modeling of electricity consumption in regional economy.



D5-2

VLADISLAV V. SAVIN

The executive director – the chairman of the board of Non-profit partnership «Association on energy policy and energy economy» <http://www.oepee.ru>

Education:

2011-2012: The Confucius's Institute of the Russian State University for the Humanities

2004–2008: Ph.D. in Economics

1998 – 2003: Dr. phil. in economic and organizational psychology



Work:

2009 – 2011: Principal Researcher, Head of Laboratory of modeling of development of the world energy markets of Energy Research Institute, RAS

2004 – 2008: Principal Researcher, Head of the sector of international and external economic cooperation of the Center of investment and external economic problems of the Energy and other industries

Publications:

Savin V.V. is the author of 31 scientific articles and coauthor of monographs (total value 44 p.p.)

Major publications:

- Uniform Energy Space of Russia, Kazakhstan and Belarus, Moscow, TEIS, 2006, - 239 p.
- Anreizgestaltung für russländische Mitarbeiter deutscher Unternehmen in Russland", Berlin, Duncker & Humblot, 2005, - 277p.
- Multipolare Weltordnung und Chinas Vorstellungen", München, Utz Verlag, 2004, - 70p.

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