

International Conference on Energy Cooperation between Russia and Japan

日露間のエネルギー協力に関する国際会議

Friday, November 6th, 2015

2015 年 11 月 6 日 (金)

Organized by: The Sasakawa Peace Foundation

主催：公益財団法人笹川平和財団

International Conference on Energy Cooperation between Russia and Japan

November 6, 2015

10:00-10:10	Opening Remark Mr. Nobuo Tanaka President, The Sasakawa Peace Foundation (SPF)
10:10-10:25	Keynote Speech Mr. Igor Sechin President, Rosneft
10:25-10:40	Keynote Speech Mr. Takayuki Ueda Vice-Minister for International Affairs, Ministry of Economy, Trade and Industry (METI)
10:40-12:10	Panel Discussion Moderator Mr. Ichiyo Ishikawa Executive Commentator, Japan Broadcasting Corporation (NHK) Panelists Mr. Igor Sechin President, Rosneft Mr. Takayuki Ueda Vice-Minister for International Affairs, METI Mr. Shigeru Muraki Executive Adviser, Tokyo Gas Co., LTD. Mr. Tadashi Maeda Senior Managing Director, Japan Bank for International Cooperation (JBIC) Mr. Hiroshi Meguro Chief Representative of Mitsui & Co., Ltd. in CIS General Director of Mitsui & Co. Moscow LLC Mr. Nobuo Tanaka President, The Sasakawa Peace Foundation
12:10-13:10	Break
13:10-14:25	Panel 1 “Arctic Sea-lane - Northern Sea Route-” Moderator Dr. Hiromitsu Kitagawa Senior Research Fellow, Ocean Policy Research Institute, The Sasakawa Peace Foundation (OPRI-SPF) Panelists Mr. Leonid Mikhelson Chairman of Management Board - Director, Novatek Mr. Michael Borrell Senior Vice President Continental Europe and Central Asia, Total Dr. Hiroyuki Goda Manager, Government and Industrial Affairs Group, Management Planning Headquarters, Nippon Yusen Kabushiki-Kaisha Ltd. (NYK Line) Mr. Nobuo Kikuta Sponsor, Yamal LNG Project, JGC Corporation

14:25-15:40	Panel 2 “Pipeline & LNG” Moderator Dr. Ken Koyama Managing Director, Chief Economist, Strategy Research Unit, the Institute of Energy Economics, Japan (IEE) Panelists Mr. Alexander Medvedev Deputy Chairman of the Management Committee, Gazprom Dr. Tatiana Mitrova Head of the Oil & Gas Department, Energy Research Institute of the Russian Academy of Science (ERI RAS) Mr. Yuki Sadamitsu Director, Petroleum and Natural Gas Division, Natural Resources and Fuel Department, Agency for Natural Resources and Energy, METI Mr. Nobuaki Aoyama Chairman, Natural Gas Infrastructure Development & Utilization Committee, Japan Project-Industry Council (JAPIC) Mr. Shigeru Muraki Executive Adviser, Tokyo Gas Co., LTD.
15:40-15:55	Break
15:55-17:10	Panel 3 “Power Grid & Others” Moderator Mr. Nobuo Tanaka President, The Sasakawa Peace Foundation Panelists Mr. Nikolay Shulginov Chairman of the Management Board - General Director, RusHydro Mr. Hirofumi Katase Director-General, Trade Policy Bureau, METI Dr. Hiroshi Asano Deputy Associate Vice President, Central Research Institute of Electric Power Industry (CRIEPI) Mr. Hiroshi Iwano Executive Officer, Sumitomo Electric Industries, Ltd. Mr. Ryosuke Shimizu Director, Senior Vice President, Operations Director of Infrastructure Project Operations, Chiyoda Corporation Mr. Yoshihiro Megata General Manager, Planning & Strategy Department, Power Projects & Plant Group, Marubeni Corporation
17:10-17:30	Conclusion
17:30	Closing
17:30-19:30	Reception (10F)

Note: This program is subject to change.

日露間のエネルギー協力に関する国際会議 プログラム

2015 年 11 月 6 日

10:00-10:10	開会挨拶 田中 伸男 笹川平和財団 理事長
10:10-10:25	基調講演 イーゴリ・セーチン Rosneft 社長
10:25-10:40	基調講演 上田 隆之 経済産業審議官
10:40-12:10	パネルディスカッション モデレーター 石川 一洋 日本放送協会 (NHK) 放送総局解説委員室 解説主幹 パネリスト イーゴリ・セーチン Rosneft 社長 上田 隆之 経済産業審議官 前田 匡史 株式会社国際協力銀行 代表取締役専務取締役 村木 茂 東京ガス株式会社 常勤顧問 目黒 祐志 三井物産株式会社 執行役員 CIS 総代表兼三井物産モスクワ有限会社社長 田中 伸男 笹川平和財団 理事長
12:10-13:10	休 憩
13:10-14:25	パネル1「北極海航路」 モデレーター 北川 弘光 笹川平和財団海洋政策研究所 特別研究員 パネリスト レオニード・ミケルソン Novatek 社長 マイケル・ボレル Total 上級副社長 合田 浩之 日本郵船株式会社 経営企画本部渉外グループ 調査役 菊田 伸夫 日揮株式会社 ヤマル LNG プロジェクトスポンサー
14:25-15:40	パネル2「パイプライン・LNG」 モデレーター 小山 堅 一般財団法人日本エネルギー経済研究所 常務理事 パネリスト アレクサンドル・メドベージェフ Gazprom 副社長 タチアナ・ミトローバ ロシア科学アカデミー エネルギー調査研究所 (ERI RAS) 石油・ガス部長 定光 裕樹 資源エネルギー庁 石油・天然ガス課長 青山 伸昭 一般社団法人日本プロジェクト産業協議会 (JAPIC) 天然ガスインフラ整備・活用委員会 委員長 村木 茂 東京ガス株式会社 常勤顧問
15:40-15:55	休 憩

15:55-17:10

パネル3「パワーグリッド・送電網・その他」

モデレーター

田中 伸男 笹川平和財団 理事長

パネリスト

ニコライ・シュルギノフ RusHydro 社長

片瀬 裕文 経済産業省通商政策局長

浅野 浩志 一般財団法人電力中央研究所 副研究参事

岩野 宏 住友電気工業株式会社 執行役員

清水 良亮 千代田化工建設株式会社取締役常務執行役員

プロジェクト開発事業本部長

目賀田 好弘 丸紅株式会社 電力・プラントグループ企画部長

17:10-17:30

まとめ

17:30

閉会

17:30-19:30

レセプション（10 階会場）

※プログラムの内容は変更される場合があります

Speakers' Profiles / 講演者等略歴

Mr. Igor Sechin

President, Chairman of the Management Board, Vice-chairman of Board of directors of Rosneft

Born in 1960. Graduated from Leningrad State University in 1984. PhD in Economics.

Deputy Head of the Executive Office of the President of the Russian Federation from 2000 until 2004.

Deputy Head of the Executive Office of the President of the Russian Federation, Aide to the President of the Russian Federation from 2004 until 2008.

Deputy Prime Minister of the Russian Federation from 2008 until 2012.

In 2004-2011 – Chairman of the Board of Directors of Rosneft.

Since May 2012 – President of Rosneft, Chairman of Rosneft's Management Board.

Member of the Board of Directors of Rosneft since November 2012.

Since June 2013 – Vice-chairman of Board of directors of Rosneft

Igor Sechin holds a seat in the boards of several organizations.

Igor Sechin holds 13,489,350 shares in Rosneft (0.1273% of the share capital).

Mr. Takayuki Ueda

Vice-Minister for International Affairs, Ministry of Economy, Trade and Industry (METI)

March 1980	Graduated from Tokyo University
April 1980	Joined the Ministry of International Trade and Industry (MITI)
June 1986	Studied in University of Washington, School of Law (master of law)
January 2000	Director, Gas Industry Division, Public Utilities Department, Agency for Natural Resources and Energy
July 2002	Councilor, Cabinet Secretariat
April 2004	Director, Regional Economic and Industrial Policy Division, Economic and Industrial Policy Bureau
May 2005	Director, Manufacturing Industries Policy, Manufacturing Industries Bureau
July 2006	Director-General, Energy Conservation and Renewable Energy Department, Agency for Natural Resources and Energy
July 2008	Director-General, Energy and Environmental Policy, Agency for Natural Resources and Energy
March 2010	Director-General for Policy Planning and Coordination, Minister's Secretariat
July 2010	Deputy Vice-Minister of Economy, Trade and Industry, Minister's Secretariat
August 2011	Director-General, Manufacturing Industries Bureau
September 2012	Director-General, Trade Policy Bureau
June 2013	Commissioner, Agency for Natural Resources and Energy
July 2015	Vice-Minister for International Affairs, METI

Mr. Ichiyo Ishikawa

Executive Commentator, NHK

Born in prefecture Iwate 1957

Graduate from Tokyo University, faculty of literature. Speciality is Russian Literature

1982 started Journalist Career in NHK (Japan Broadcasting Corporation) as correspondent

1982-1985 Correspondent NHK Akita station

1985-1988 Correspondent NHK Aomori, Misawa branch

1988-1992 Correspondent NHK News Centre, department on international affairs
Started career as Journalist on international affairs, especially on USSR

1992-1996 Correspondent NHK Moscow

1996-1998 Senior Correspondent NHK News Centre, department on international affairs

1998-2002 Deputy Chief of Department on international affairs and head of Japan-Russia project

1999 Head of special operation NHK on Kidnapping Japanese by Islamic extremist in Kirgiz

2001 Head of special operation NHK after 911 2001, in northern Afghanistan and Tajikistan

2002-2007 Chief Correspondent of NHK Moscow

2007-2010 Senior Commentator, News Commentator Bureau, General Bureau NHK

2010- Executive Commentator, News Commentator Bureau, General Bureau NHK

●Theme of commentaries Domestic and foreign policies of Russia, Russian economy , Japan-Russia relations, Energy policy, situations in CIS, nuclear security, Nuclear accidents in Chernobyl and Fukushima and so on

Mr. Tadashi Maeda

Representative Director

Senior Managing Director

Japan Bank for International Cooperation (JBIC)

Graduated University of Tokyo Faculty of Law in 1980. In JBIC, he has experienced various positions including Representative in Washington, Director General of Energy, Natural Resources Finance Department, Director General of Corporate Planning Department, Managing Executive Officer & Global Head of Infrastructure and Environment Finance Group. From June 2010 to December 2012, he served as Special Advisor to the Cabinet and provided the Prime Minister and Chief Cabinet Secretary with advice on new economic growth strategy, energy policy and infrastructure development policy to the international market. He also served as member of the Steering Committee of Nuclear Damage Liability Facilitation Fund Steering Committee from October 2011 to October 2013.

Mr. Shigeru Muraki

Executive Adviser, Tokyo Gas Co., LTD.

He has been Program Director of Energy Carriers for SIP (Cross-ministerial Strategic Innovation Promotion Program) since May 2014.

He joined Tokyo Gas Co., Ltd. in 1972 after graduating from Applied Chemistry department of the University of Tokyo. He started his career at Research &

Development Institute, and was appointed chief representative in New York from 1989 to 1994. From 1996 through 2004, he worked at Gas Resources Dept. He was promoted to senior executive officer and CTO in 2004. In 2007, he moved to Energy Solution Division in charge of marketing in commercial and industrial markets and power business. In 2014, he was appointed Vice Chairman. Since April 2015, he has been Executive Adviser for Tokyo Gas.

Mr. Hiroshi Meguro

Managing Officer, Chief Regional Representative in the CIS countries,
General Director Mitsui & Co. Moscow LLC

Date of birth: 25 NOVEMBER, 1960

Education: graduated from Tokyo University of Foreign Studies, March 1983

RECORD IN SERVICE

April 1983 – August 1986:

Steel Overseas 1st Division, Steel Plate export department Mitsui & Co., Ltd. (Head Office)

September 1986 – July 1988: USSR Trainee in Leningrad State University and Mitsui Moscow office

July 1988 – November 1992:

Manager, Steel Pipe Overseas Division, OCTG Department, Mitsui & Co., Ltd. (Head Office)

December 1998 – December 2002:

Deputy General Manager, OCTG department, Steel Pipe Overseas Div, Mitsui & Co., Ltd. (Head Office)

January 2003 – May 2006:

General Manager, OCTG department, Steel Pipe & Plate Overseas Div, Mitsui & Co., Ltd. (Head Office)

May 2006 – August 2007: Chief Operating Officer (Vice President), Regency Steel Asia Pte Ltd. (Singapore)

September 2007 – June 2008: Deputy General Director, Mitsui & Co. Moscow LLC

Since July 2008: General Director, Mitsui & Co. Moscow LLC

Since April 2011:

Chief Regional Representative in the CIS countries, General Director Mitsui & Co. Moscow LLC

Since April 2015:

Managing Officer, Chief Representative of Mitsui & Co., Ltd. in CIS, General Director of Mitsui & Co. Moscow LLC

Dr. Hiromitsu Kitagawa

Senior Research Fellow, Ocean Policy Research Institute, The Sasakawa Peace Foundation (OPRI-SPF)

Born in downtown Tokyo in 1935, Dr. Kitagawa initiated his career at Ship Research Institute, Ministry of Transport (at that time) after graduating from the Department of Naval Architecture at Yokohama National University. His career at the institute included the posts of Head of Ship Performance Division and Director-General of the Institute, while he spent a number of weeks at Glasgow University in Scotland and the Institute for Ocean Technology in Newfoundland as a visiting researcher. After a stint as President of Shipbuilding Research Centre of Japan, he was appointed as Professor of Civil Engineering at Hokkaido University, chairing the Ice and Snow Technology Laboratory. His specialized fields include ice engineering and fluid dynamics. Dr. Kitagawa served as the overall coordinator of INSROP and JANSROP I & II projects. He works for Ocean Policy Research Institute, the Sasakawa Peace Foundation as a senior research fellow.

Mr. Leonid V. Mikhelson

Chairman of Management Board of NOVATEK - Director

Born in 1955

Mr. Mikhelson received his primary degree from the Samara Institute of Civil Engineering in 1977, where he specialized in Civil Construction Engineering. That same year, he began his career as foreman of a construction and assembling company in Surgut, Tyumen region, where he worked on the construction of the first section of the Urengoy-Chelyabinsk gas pipeline. In 1985, Mr. Mikhelson was appointed Chief Engineer of Ryazantruboprovodstroy. In 1987, he became General Director of Kuibishevtruboprovodstroy which in 1991 was the first company in the region to sell its shares and became a private company, AO SNP NOVA. In 1987-1994 he worked as manager of AO SNP NOVA. Subsequently, he became General Director of Novafininvest management company. Since 2003, Mr. Mikhelson has served as a member of the Board of Directors and Chairman of the Management Board of NOVATEK. From March 2008 until December 2010, he was a member and Chairman of the Board of Directors of OAO Stroytransgas. In 2009 and 2010, Mr. Mikhelson worked as Chairman of the Board of Directors, Yamal LNG; from 2008 until 2011 he was member of the Board of Directors of Art Finance. Since 2011, Mr. Mikhelson has served as Chairman of the Board of Directors of SIBUR, from 2011 until 2013 - member of Supervisory Board of Russian Regional Development Bank. Mr. Mikhelson is recipient of the Russian Federation Order of the Badge of Honor, Order for Merit to the Fartherland, II Degree, is an Honorary Gas Industry Worker.

Mr. Michael Borrell

Senior Vice President Continental Europe and Central Asia, Total

Michael Borrell, a graduate of the Cambridge University in Chemical Engineering (MSc 1993, BA 1984), joined TOTAL in 1985. He has worked with its affiliate companies and has held senior managerial positions in the Total group since 1995. From 2003 he held the position of Vice President Corporate Planning & Business Development for Total E&P Indonesia. In July 2006, he was appointed President & CEO of Total E&P Canada in Calgary. From September 2009 to June 2010, he was Vice President of the Caspian Area and Central Asia for TOTAL Exploration and Production. Since July 2010, he is Senior Vice President Continental Europe and Central Asia.

Dr. Hiroyuki Goda

Manager, Government and Industrial Affairs Group, Management Planning Headquarters,
Nippon Yusen Kabushiki-Kaisha Ltd. (NYK Line)

Ph.D in Law, Ph.D in Economics

Born in 1967

Graduated from University of Tokyo in 1991

Started to work for Nippon Yusen Kabushiki-kaisha Ltd. (NYK Line) in 1991

(2006-2007 Director, Nippon Airship Cooperation)

Graduated from Doctoral program in Business Law, Graduate school of Business Science, University of Tsukuba in 2003

Graduated from Doctoral program, Graduate school of Economic Science, Saitama University in 2012

Majors, Maritime Economics, International Business Transaction, Port Economics

Mr. Nobuo Kikuta

Sponsor, Yamal LNG Project, JGC Corporation

EMPLOYMENT

1984 – Present JGC Corporation, Japan

July 2010-Present Project Executive

- Work as a Company Sponsor for multiple number of overseas projects
- Sponsor for Yamal LNG Project since January 2013

July 2009-June 2010 Managing Director, International Projects

- Oversee all international projects of \$3-4 billion/year worth
- Corporate management responsibility includes operation of foreign affiliates and allocation of global manpower resources

Aug 2007-June 2009 Managing Director, No.1 Project Div.

Supervise all the international oil/gas projects (responsible for P/L) of \$2-2.5 billion/year worth

July 2006-July 2007 Managing Director, Energy Project Div.

Same as above (division name was changed in 2007)

July 2004-June 2006 Executive Officer / Director, Procurement Div.

Responsible for all the procurement activities (procured amount ranging \$1-1.5 billion/year) for international oil/gas projects

Jan 2002-June 2004 Senior General Manager, No.2 Sales Div.

Responsible for marketing and sales for oil/gas projects in the Middle East

Nov 1998-Dec 2001 Assistant Project Director, Hawiyah Gas Project

Supervise project operation of an \$800 million-gas project for Saudi Aramco

July 1996-Oct 1998 General Manager, Civil Engineering Dept.

Head of civil engineering department (about 100 engineers). Department responsibility covers all civil design and construction

EDUCATION

June 1979 Master of Engineering in Ocean Engineering, University of California at Berkeley, USA

March 1974 Master of Science in Civil Engineering, Kyoto University, Japan

March 1972 Bachelor of Science in Civil Engineering, Kyoto University, Japan

Dr. Ken Koyama

Managing Director, Chief Economist, Strategy Research Unit, the Institute of Energy Economics, Japan (IEE)

Fields of Expertise: Economic and Political Analysis of the World Oil Market / Economic and Political Analysis of the World Natural Gas Market / Energy Security and Geopolitics of Energy

1997 Head of the World Oil & Energy Group, IEEJ

1999 Group manager of the International Trend Analysis Group, IEEJ

2001 Awarded the degree of PhD from the University of Dundee (PhD thesis: Japan's Energy Strategies Towards The Middle East)

2001 General manager of the Department of Energy Strategies, IEEJ

2005 Senior Research Fellow, General Manager, Energy Strategy Unit

2006 Senior Research Fellow, Unit Manager, Strategy and Industry Research Unit

2007 Director, Strategy & Industry Research Unit, IEEJ

2011 Managing Director, Chief Economist, Strategy Research Unit (Current Job title)

Mr. Alexander Medvedev

Deputy Chairman of the Management Committee, Gazprom

Alexander Medvedev was born on August 14, 1955 in Shakhtersk, Sakhalin Oblast.

Education

Alexander Medvedev graduated from Moscow Physics and Technology Institute majoring in Automated Control Systems. He has a PhD in Economics. Alexander Medvedev is a full-fledged member of the International Academy of Investment and Construction Economics.

Professional experience

- 1978–1989 Employee of the International Economic Relations Department of the Global Economy and International Relations Institute of the USSR Academy of Sciences; later on – Senior Researcher, Acting Head of Sector, Academic Secretary of the Comprehensive Program for Sci-Tech Development of the USSR under the USSR Academy of Sciences and the State Committee for Science and Technology.
- 1989–1991 Director of Donau-Bank AG, Managing Director of Inter Trade Consult GmbH (Austria) branch.
- 1991–1996 Director of IMAG Investment Management & Advisory Group GmbH (Austria).
- 1997–1998 Vice President of Vostochnaya Neftyanaya Kompaniya (Eastern Oil Company).
- 1998–2002 Director of IMAG Investment Management & Advisory Group GmbH (Austria).
- 2002–2005 Member of the Management Committee of Gazprom, Director General of Gazexport.
- 2005–2008 Deputy Chairman of the Management Committee, Gazprom; Director General of Gazexport (since November 1, 2006 – Gazprom export).
- 2008–2014 Deputy Chairman of the Management Committee, Gazprom; Director General of Gazprom export; President – Chairman of the Kontinental Hockey League Executive Board.
- 2014 Deputy Chairman of the Management Committee, Gazprom;
President – Chairman of the Kontinental Hockey League Executive Board.
- Since 2014 Deputy Chairman of the Management Committee, Gazprom

Dr. Tatiana Mitrova

Head of Oil and Gas Department in the Energy Research Institute of the Russian Academy of Sciences (ERI RAS)

Dr. Mitrova has twenty years of experience in dealing with the development of Russian and global energy markets, including production, transportation, demand, energy policy, pricing and market restructuring. She is leading annual “Global and Russian Energy Outlook Up To 2040” project. In 2011-2012 Head of Global Energy in SKOLOKOVO Energy Centre responsible for analyses of the global energy markets development and the Russian Federation’s energy export and import policy. In 2006-2011 Head of the Center for International Energy Markets Studies in ERI RAS.

Dr. Mitrova is a member of the Governmental Commission of the Russian Federation on fuel and energy complex and member of the Board of Directors in E.ON-Russia JSC.

Dr. Mitrova is a graduate of Moscow State University’s Economics Department. She is an Assistant Professor at Gubkin Oil and Gas University and Visiting Professor at the Institut d’Etudes Politiques de Paris (Sciences Po) Paris School of International Affairs. She has more than 120 publications in scientific and business journals and four books.

Mr. Yuki Sadamitsu

Director, Petroleum and Natural Gas Division, Natural Resources and Fuel Department,
Agency for Natural Resources and Energy, METI

Job Experience:

- July, 2015 – present

Director, Oil and Gas Division, Agency for Natural Resources and Energy, Ministry of
Economy, Trade and Industry (METI)

- August, 2012 – July, 2015 Director for Industrial Research, JETRO London

- April, 2009 – August, 2012

Director, Energy Strategy Office, Agency for Natural Resources and Energy, METI

- April, 2006 – March, 2009

Deputy Director-General, Department of Economic, Commerce and Tourism, Miyagi
Prefecture

- April., 1992 Joined the Ministry of International Trade and Industry (MITI)

Education: LL.B., the University of Tokyo (1992)

MPA, John F. Kennedy School of government, Harvard University (1997)

Mr. Nobuaki Aoyama

Chairman, Natural Gas infrastructure Development & Utilization Committee, Japan Project-Industry Council (JAPIC)

Education : Faculty of Law, Hitotsubashi University, 1977

Experience :

(1) Nippon Steel & Sumikin Engineering Corporation - Since July, 2006

Nippon Steel Corporation - Since 1977

(2) Relevant Experience

2015- Executive Advisor

2013-2015 Managing Director, Strategic Planning Center

2011-2012 "Director for International Business Planning & Development, Strategic Planning Center"

2010-2011 Deputy Managing Director, Sales Management Headquarters

2009-2010 "Director, Energy facilities Engineering Unit, Civil Engineering & Marine Construction Div;"

2007-2008 Director, Oil & Gas Business Unit2, Civil Engineering & Marine Construction Div;

2002-2007 Project Director for Sakhalin Phase1 EPC-2 Project

1999-2002 General Manager for Overseas Operations

1996-1998 Senior Manager for Akemi IPP Project

1995-1999 Group Leader for IPP Business Development

1992-1995 Procurement Manager for Civil Engineering and Marine Construction Division

1991-1992 Project Manager for VICO "SEMBERAH" Gas production Facilities AND Trunkline / Pipelines

Other Activities :

2012 - Present "Chairman, Natural Gas Infrastructure Development & Utilization Committee JAPIC"

2013 - Present Director, Japan CCS Co., Ltd.

2014 - Present Director, Japan Methane Hydrate Operation Co., Ltd.

2010 - Present Member of management committee, Japanese Business Alliance for Smart Energy
Worldwide (JASE-W)

Mr. Nikolay Shulginov

Chairman of the Management Board - General Director, RusHydro

Born in 1951. In 1973 graduated from Novocherkassk Polytechnic Institute with a degree in Power Supply of Industrial Enterprises and Cities. Candidate of Technical Sciences.

1976-1998: held several positions from engineer to Head of Central Dispatch Service, JSC Stavropolenergo.

1998-2002: Deputy Director of Integrated Dispatch Administration – Director of FOREM TCSC (Territorial Contract and Settlement Center) of the subsidiary of RAO UES of Russia – IDA of North Caucasus.

2002-2004: member of the Management Board, Director of Technical Audit, JSC SO UES (System Operator of the Unified Energy System).

2004: Deputy Chairman of the Management Board and later First Deputy Chairman of the Management Board, JSC SO UES.

From September 15, 2015: Chairman of the Management Board - General Director, JSC RusHydro.

N. Shulginov has over a dozen professional awards, including the titles of an Honored Power Engineer of the CIS, an Honored Worker of the Fuel and Energy Complex and Veteran of the Energy Industry and the badge of an Honored Worker of UES of Russia. He was awarded the medal For Merit to the Fatherland II degree. For his contribution to the preparation and conducting of the 22nd Olympic Winter Games and the 11th Paralympic Winter Games 2014 in Sochi he was awarded the Order of Honor.

Mr. Hirofumi Katase

Director-General, Trade Policy Bureau, Ministry of Economy, Trade and Industry (METI)

Date of Birth : 15 Jun, 1959

Present Post : Director-General, Trade Policy Bureau

Education : University of Tokyo, Degree in Law, 1982

University of Michigan, Master Degree, 1989

Business Career :

1982 Joined Ministry of International Trade and Industry (MITI)

1988 Study at the University of Michigan

1997 Executive Director, Brussels office, Japan Machinery Centre for Trade and Investment

1998 Secretary General, Japan Business Council in Europe

2000 Director, Economic Policy Unit, Minister's Secretariat

2002 Director, Petroleum and Natural Gas Division, Agency for Natural Resources and Energy

2006 Director, Aerospace and Defense Industry Division, Manufacturing Industries Bureau

2008 Deputy Director-General for International Strategy, Trade Policy Bureau

2009 Director-General for Trade, Economic Cooperation and International Exhibitions

2010 Deputy secretary-General, Councillor, Cabinet Secretariat, Secretariat of Headquarters for Space policy

2012 Director-General For International Trade Policy

2013 Director-General, Industrial Science and Technology Policy and Environment Bureau

2015 Director-General, Trade Policy Bureau

Dr. Hiroshi Asano

Deputy Associate Vice President, The Central Research Institute of Electric Power Industry (CRIEPI)

Education: B.Eng., M.Eng. and Dr. of Engineering, Electrical Engineering, the University of Tokyo
He is presently a deputy associate vice president, the Central Research Institute of Electric Power Industry, a visiting professor, the University of Tokyo, and a guest professor, Waseda University. In his multiple capacities, he is engaged in research, teaching and variety of managerial and advisory duties. He served as a tentative Member of Energy Advisory Committee, METI. He has been undertaking a lot of research projects on demand-side management, systems approaches, power markets, and energy policy analysis since joining the CRIEPI in 1984. Dr. Asano has been a member of CIGRE, IEEE, IEEJ, JSER and IAEE.

Mr. Hiroshi Iwano

Executive Officer

General Manager, NEXT Center, Sumitomo Electric Industries, Ltd.

Date of Birth: Jun. 5, 1961

Education: Graduated from the University of Tokyo in March 1985

Department of Mineral Development Engineering, Faculty of Engineering

Service Career:

Jun. 2014 Executive Officer

General Manager, NEXT Center

Deputy General Manager, Infrastructure Business Promotion Division

Jun. 2013 General Manager, NEXT Center

Deputy General Manager, Infrastructure Business Promotion Division

Apr. 2012 Joined Sumitomo Electric Industries, Ltd.

Senior Assistant General Manager, NEXT Center

Jan. 2012 Quit Ministry of Economy, Trade and Industry (METI)

Jul. 2011 Managing Director, Metal Economics Research Institute, JAPAN (MERI/J)

Jul. 2008 Director General, Business Development Department, Oil & Gas Upstream Business Unit
Japan Oil, Gas and Metals National Corporation (JOGMEC)

Jul. 2006 Director, Nonferrous Metals Division, Manufacturing Industries Bureau,
Ministry of Economy, Trade and Industry (METI)

Apr. 1985 Joined Ministry of International Trade and Industry (MITI)

Coal Mining Administration Division, Coal Mining Department, ANRE, MITI

Mr. Ryosuke Shimizu

Director, Senior Vice President,

Operations Director of Infrastructure Project Operations, Chiyoda Corporation

Date of Birth: January 27, 1955

Place of Birth: Kobe, Japan

Education: B.Sc.(1977), M.Sc. in Mechanical Engineering, Kyoto University, 1979

Business Career (all with Chiyoda Corporation since 1979) :

2015 (April): Director, Senior Vice President, Operations Director of Infrastructure Project Operations

2013: Director, Senior Vice President, Division Director of Technology & Engineering Division

2012: Director, Senior Vice President, Division Director of Global Project Management Division

2010: Vice President, General Manager of Global Operation Division

2009: Vice President, General Manager of Corporate Planning Division

2008: General Manager of Corporate Planning Division

2007: Deputy General Manager of Engineering Division and General Manager of Mechanical Engineering Center

2003: General Manager of Mechanical Engineering Department

2000: Proposal Manager of Proposal Division

1998 - 2000: Engineering Manager of Condensate Splitter Project for SEPL Singapore

1979 - 1998: Project Manager, Group Leader, Senior Engineer and Engineer of Mechanical Engineering Division

1979: Joined Chiyoda Corporation, Mechanical Engineering Division

Mr. Yoshihiro Megata

General Manager, Planning & Strategy Department, Power Projects & Plant Group, Marubeni Corporation

Date Of Birth October 25, 1959

Graduate 1983 from Kyoto University (Bachelor's Degree in Economics)

Business Career

April, 1983 Joined Marubeni Corporation

April, 1991 Project Director, National Power Development Inc. (USA)

November, 1994 Marketing Director, Marubeni Asian Power Ltd. (Hong Kong)

April, 1998 Power Project Dept.-I

April, 2003 Overseas Power Project Dept.-II

April, 2008 General Manager, Overseas Power Project Dept.-III

April, 2012 Senior Vice President & Regional General Manager, Western Region and General Manager, Los Angeles Branch, Marubeni America Corporation

April, 2014 Senior Operating Officer, Plant Div.

April, 2015 Corporate Officer, General Manager, Planning & Strategy Dept.,
Power Projects & Plant Group

Mr. Nobuo Tanaka

President, The Sasakawa Peace Foundation (SPF)

Nobuo Tanaka is President of The Sasakawa Peace Foundation as of April 1st, 2015. He has extensive national government and international experience in the fields of energy, trade and innovation. As Executive Director of the International Energy Agency (IEA) from 2007 to 2011, Mr. Tanaka oversaw a seminal period in the Agency's work and direction. Under his leadership, the IEA initiated a collective release of oil stocks in June 2011, the third such collective action in the Agency's history, opening new scope and a new era for IEA emergency action. While IEA Executive Director, Mr. Tanaka was responsible for pioneering the concept of 'comprehensive energy security' while also expanding the Agency's focus on climate change, renewable energy and the transition to a low-carbon energy economy (with the 450 ppm scenario of the IEA's *World Energy Outlook* becoming the benchmark goal for global climate change mitigation). Mr. Tanaka led IEA work on fossil fuel subsidy reform, energy efficiency policy recommendations (adopted by the G8), low-carbon energy technology roadmaps, gas and electricity security, energy poverty and carbon capture and storage, among others. Notably, Mr. Tanaka also played a crucial and personal role in the strengthening of ties with major IEA non-Member energy players, including China, India, Russia, Brazil, Chile, Indonesia, Mexico and South Africa, and in IEA relations with business, including through the creation of the IEA Energy Business Council. Responsible for a great expansion of IEA engagement with other international fora, throughout his time as IEA Executive Director, Mr. Tanaka made numerous keynote speeches on global energy affairs and policy to summits of Heads of State and Ministers. Mr. Tanaka was awarded The Abdullah bin Hamad Al-Attiyah International Energy Award 2014 for Lifetime Achievement for the Advancement of Producer-Consumer Dialogue for his efforts at the IEA in cooperation with the Abdalla Salem El-Badri, OPEC Secretary General and other OPEC Ministers.

Mr. Tanaka began his career in 1973 in the Ministry of Economy, Trade and Industry (METI) in Tokyo, and has served in a number of high-ranking positions in METI, including Director-General of the Multilateral Trade System Department. In this capacity, he led many trade negotiations at the World Trade Organisation (WTO) and for bilateral Free Trade Agreements. Mr. Tanaka's career has also included a strong focus on energy. He was responsible for Japan's involvement with the IEA and the G7 Energy Ministers' Meeting during the second oil crisis of the late 1970s and early 1980s. He participated in establishing the comprehensive energy policy of Japan in the late 1980s, and oversaw the implementation of Japan's international nuclear energy policy and led negotiations of bilateral nuclear agreements. During the Kyoto COP3 negotiations, Mr. Tanaka worked for the Japanese government on formulating international strategy as well as co-ordinating domestic environment and energy policy. He was deeply engaged in a range of bilateral trade and economic issues with the US as Minister for Industry, Trade and Energy at the Embassy of Japan, Washington DC from 1998 to 2000, as well serving as the first secretary of the Embassy from 1982 to 1985.

With a strong background in international affairs, Mr. Tanaka has served as both Deputy Director and Director for Science, Technology and Industry (DSTI) of the Paris-based Organisation for Economic Co-operation and Development (OECD). During his time as Director from 2004 to 2007, he was responsible for the rollout of work on innovation, including innovation policy reviews of Member countries, collaboration with the OECD Economic Policy Directorate on the Innovation chapter of the landmark publication, "Going for Growth", and the role of innovation in intellectual property rights and biotechnology related regulations, among many others. Upon return from the IEA, Mr. Tanaka became Global Associate for Energy Security and Sustainability at the Institute of Energy Economics, Japan and Professor, Graduate School of Public Policy at the University of Tokyo. Mr. Tanaka, a Japanese national, has a degree in Economics from the University of Tokyo and an MBA from Case Western Reserve University, Cleveland, Ohio. He and his wife, Gloria, have two children.