

In the Name of God



# **Congress Directory**

Iranian Petroleum & Energy Club

# **C o n g r e s s**

# **IPEC 2015**

Olympic Hotel

19 -21 October 2015



## Message from the Head of the Policy Council

In the Name of God



Less than a decade remains till the horizon of 1404 (2025). We shall witness an incredible increase in production in the following years due to the quick development of hydrocarbure fields. This is while with regards to the discovered resources simultaneously with development, most of the efforts have been directed towards businesses with higher technologies in order to increase the recycling coefficient and to maintain the production power of these fields.

Also after passing through the phase of maximum production of fossil resources, more attention will be paid to optimizing the energy consumption in the country in the future years, not only from the view of decreasing the intensity of energy, but this matter will be presented as an alternative option and energy- allocation resource since the volume of wasted energy in the supply section and the low-efficiency in the energy consumption section of the country is highly considerable that preventing every one percent is equal to investing in and significantly increasing supply in the production section. This important matter also needs to attract investment and to use high efficiency technologies.

The general approach in the future years and post-sanctions situation based on resistance economy must therefore promote the technological businesses in the field of energy through smart and effective cooperation between domestic private companies and authentic international partners. A cooperation and partnership which will result in training the capable Iranian companies in the global class and transferring and strengthening the technical knowledge in the country and turn Iran into the center of energy- related industrial and technology productions of the region.



سازمان انرژی های تجدیدپذیر

This issue has motivated the Petroleum and Energy Club to plan an event with a strategic approach that follows the aim of attracting and creating dynamism in the Iranian private sector in petroleum and energy sectors in the country. The hope is that this effort, which is accompanied with the presence of the representative of associations and those of authentic international companies, creates an opportunity to gather and to share the thoughts of the elites of the domestic and foreign companies in order to achieve applied results and make the grounds ready for our beloved country, Iran, to take larger steps.

The current view of the petroleum and energy industry in Iran, must be formed with the great upheavals which are occurring internationally in the technologies of this industry. The Congress organizers therefore hope to host this event regularly and establish it as a stable gathering in which the domestic and international petroleum and energy sectors participate so that they could accelerate the development of this key industry in the country. We do try for the development and greatness of Iran.

**Rokneddin Javadi**

## Congress Secretary



### In the Name of God

The nature of the articles and lectures of this conference revolves around technological breakthroughs of the recent years and their effects on methods of supplying, distributing, and consuming energy. The important fields are in fact increasing the energy efficiency and energy conservation in the industry.

Under current conditions, our country is in urgent need for attracting, utilizing and localizing the achievements of the developed countries in the energy section. The energy, economy, and environment triangle will naturally perform more desirably through utilizing the already-experienced, more effective, and practical technologies and it will increase the welfare of the society while decreasing the damages made to the environment since the natural resources will be less used.

With regards to the fact that the Supreme Leader has notified the general policies of the sixth development program to the honorable president, we thought it was necessary to point out some of the paragraphs of these 80- paragraph policies. The selected paragraphs are related to the economic affairs and oil and gas industries which have been regulated with regards to the domestic and foreign realities and provide us with a valuable model:

- Increasing the share of renewable energies and developing remote and small- scale power plants
- Assigning the projects related to collecting, controlling, and monetizing the flare and associated gases to the private sector SMEs
- Increase the added value through completing the chain of oil and gas industries and developing the production of goods which enjoy optimal

efficiency based on the energy consumption intensity index

- Making the upstream and downstream oil and gas industries knowledge-based through establishing and strengthening the knowledge-based companies for designing, engineering, constructing, and installing equipment and transferring technology in order to increase national independency

It is worth mentioning that in the field of energy, we have tried to focus more on sections in which most significant breakthroughs have occurred, the new technology has been implemented, and has been presented to the market by relevant specialized companies. In the upstream field we are witnessing new technologies being used in the field of seismography, gas and oil reservoirs being measured more precisely and we are witnessing an increase in the EOR of gas and oil fields with varied geology through the assistance of new and smart drilling systems and multilateral drillings. Just like the advancement in the field of creating an opening in shale layers and producing oil and gas from these layers have led to significant changes in the energy levels of the world.

On the other hand, the advancements achieved in seismography and the methods of creating openings can lead to major breakthroughs in promoting recovery factor in many reservoir rocks. The point to be noticed is that just a one- percent increase in recovery factor in the oil reservoirs of our country would have valued approximately 400 billion dollars.

- The breakthroughs in the chemical and petrochemical industry are also fascinating. We are still at the beginning of this. With regards to the major potentials of the country in oil and gas production especially in products such as ethane and gas condensates, there are still many opportunities to progress in the petrochemical sector. This conference has tried to invite the managers and experts of companies which considers as leaders of the chemical industry to present new strategies, trends and approaches in





the industry. Of course the congress will be benefited by senior experts and managers of the country, especially in the governmental and private sectors lectures.

- Another section is electricity and its relevant breakthroughs especially in the production section. Increasing the efficiency of power plants is the concern of the authorities of the production section today. Due to the technological breakthroughs in the field of constructing gas turbine power plants and combined cycle power plants, we are now facing efficiencies which were unimaginable in the last two decades. We must quickly utilize these outstanding valuable achievements so that we could reduce the oil and gas consumption, increase the efficiency of the power plant units, and allow lesser contaminating gasses into the atmosphere. It must be noted that some of our power plants are more than forty years old and so we can increase the efficiency of the power plants and decreasing the production expenses through using the Retrofit technology. The electricity distribution network section must be turned into a smart one and we must rely on attending to the new technologies and knowledge so that we could prevent a noticeable amount of energy to be wasted.

- There are many activities and works which could be carried out in the natural gas section since our country has been blessed with huge resources. Although approximately 70% of the energy consumption basket of the State is currently being supplied by gas but this does not mean that it is efficiently being used in different sections in production, transportation, and distribution.

- We are also very far behind the best practices in the gas transportation and storage industry. Thus the conference has especially attended to the LNG technology in order to liquefy gas and transport and export to faraway regions. Issues such as optimizing fuel consumption and other relevant technologies such as using LNG and GTL will also be examined.

- The world is now witnessing speedy breakthroughs in the field of new

energies and with regards to the environmental protocols which have been approved by almost all countries and the fact that the rules and standards governing this field become stricter every day, we are forced to enter this field more seriously and with a wider mechanism by the private sector and the government. Fortunately, our country has high solar energy potential and acceptable conditions for other renewable energies. This conference has attempted to discuss the latest achievement in the sector.

- Regarding the matter of energy conservation, the energy consumption efficiency in Iran is much higher than the international standards which indicate low efficiency in converting energy into production and optimal use of energy. International cooperation will help us promote gradually the consumption culture, equipments, technology, and organization in order to decrease the energy consumption intensity in the country and reach international standards. The pollution of our large cities, especially in the winter, is caused by technological deficiencies and using nonstandard and old equipment for consuming fossil fuels and their low efficiency.

- Although we have been unfortunately unable to invite high ranks and experts from world famous automobile companies experts except from one company during the time we had till the beginning of the conference, the holders of the conference still focused on the topic of cars due to its importance in country, from the view of energy consumption as well as air pollution. Of course the breakthroughs of the technology and cars section and their fuel efficiency in the last decade is noticeable and the commercial use of dual fuel cars and the use of CNG, and also electric and hybrid automobiles make the future of this field very bright. The ability to store and save energy in batteries and in limited capacity and finally turning the network's electricity energy to moving energy for running cars as well as removing common fossil- fuel- consuming engines, which are still popular in the whole world and are also common in our country in the lowest possible quality, are among the main revolutions in this

area.

We are well aware of the lacks and shortcomings of this Congress and we were unable to present what we had desired. Nevertheless, we believe that this Congress will bring about effective achievements for our country. We hope that the Iranian experts will negotiate and discuss many matters with their foreign counterparts during this Congress, and that this Congress will result in valuable professional scientific and technical achievements during these two or three days.

**Gholam Reza Manouchehri**





## Scientific Secretary



In the Name of God

As a country with the most amounts of oil and gas resources in the world and with regards to its unique political geography in the energy transportation cross section of the region, the important role of Iran in energy business is obvious to everyone. An oil extracting background for more than one hundred years, oil and gas refineries, different petrochemical plants, access to international waters, long- term cooperation with reputable international companies, and finally young and educated human resources have provided our country with valuable opportunities. On the other hand, petroleum and energy industries are the most important and developed industries of the country from the viewpoint of capacity as well as variety of technology and they will play a determinative role in the economic growth and development of the country. The increasing demand for energy indicates the fact that despite the international efforts for using the alternative energy resources, the petroleum industry and its relevant fields are still the most important energy suppliers of the world. Therefore with regards to the importance of achievement of desirable economic conditions and considering the fluctuations in crude oil price, our current mission is to move on from a raw-materials based economy toward knowledge-based one.

The development of petroleum and energy industries based on national technological advancement can lead to sustainable growth of the country. though through a quick glance at this industry it can be understood that despite a relative high capacity of production, increasing in energy demand, not utilizing modern technology in production and energy consumption and neglecting the importance renewable energy has decreased the diversity and efficiency of energy.



Therefore Petroleum and Energy Club, as the only independent non-governmental organization which has gathered considerable number of experts, managers and decision makers members of the energy section of the country, through holding the first strategic petroleum and energy congress, is willing to create a condition so this important economical section can take national and international chances specially in the post-sanction era for making the most use of them.

The concentration of the articles and speeches was a key to introduction and discussion of advanced technologies which has led to considerable developments in energy business during the last few decades. Therefore along with national experts, this congress will also be a host to scientific international ones, managers of major petroleum and energy companies, heads of international organizations active in this field, including upstream industries, LNG, power, petro-refinery industries, energy conservation and renewable energies. This congress will also be a chance to present new Iran's petroleum contracts for the first time and some investment plans in the energy sector of Iran will be discussed in a form of seminars. We do hope this very first congress will be a successful model for holding similar strategic congresses in the future.

**Mohammad Hassan Panjeshahi**

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انستیتو ملی  
فناوری و علم

# Organiser; The Iranian Petroleum & Energy Club

## Introduction

The Iranian Energy Club aims to promote efficiency and sustainable growth in Iranian energy sector by providing demand led policy advice based on professional experience and frontier research. As a professional and not-for-profit association, we facilitate knowledge transfer to hundreds of energy executives and young entrepreneurs which helps them better understand the financial and management issues that shape the current energy environment in Iran. In collaboration with our network of professional executives, leading academics and field experts, we provide impartial and evidence-based policy recommendations for decision-makers in the energy sector; recommendations which have been successful in addressing some of the most entrenched challenges of Iranian energy sector.

## Council

Reza Afshin, Habib Aminfar, Habibollah Bitaraf, Mohammad Iravani, Fereydoun Saghafian, Mohammad Haj rasouliha, Nosrat Rahimi, Hamid Reza Araghi, Ardeshir Fathinejad, Mohammad Mallaki, Seyed Mahdi Mirmoezi

## Board of Director

Abolhasan khamoushi, Seyed Mehdi Mir Moezi, Gholam Reza Manouchehri, Mohammad Iravani, Aidin Khatlan, Mohammad Sohofi, Saeed Marjovi



## Organiser Partners

- Presidency of the Islamic Republic of Iran Vice- Presidency for Science and Technology
- Ministry of Petroleum
- Ministry of Energy
- Ministry of Industry, Mine & Trade
- National Iranian oil co
- Tavanir
- National Iranian Gas Company
- Industrial Development & Renovation Organization of Iran
- National Iranian Oil Refining and Distribution Company
- Renewable Energy Organization of Iran
- National Petrochemical Company
- Iranian Fuel Conservation Company
- Gas Exporting Countries Forum
- University of Tehran
- Amirkabir University of Technology
- Petroleum University of Technology
- K.N.Toosi University of Technology
- Power & Water University of Technology (PWUT)
- Niroo Research Institute
- Iranian Society of Consulting Engineers
- Society of Iranian Petroleum Industry Equipment Manufacturers
- Iran chamber of Commerce Industries, Mines & Agriculture
- Association of Petroleum Industry Engineering & Construction Companies
- Iran Industrial Equipment Manufacturers Association
- Engineering and Construction Companies of the Association of Oil and Energy



## Policy Council

- Rokneddin Javadi(Head of Policy Council, Deputy Oil Minister and CEO of National Iranian Oil Company)
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- Gholam Reza Manouchehri (Secretary, Consultant of Oil Minister)
- Sattar Mahmoudi (Deputy Energy Minister)
- Mansour Moazami (Deputy Minister for Planning and Supervision on Hydrocarbon Resources in Ministry of Petroleum)
- Seyed Reza Norouzzadeh (Deputy Minister of Industry, Mine and Trade and Head of the Industrial Development and Renovation Organization)
- Hamid Reza Araghi (Deputy Oil Minister and CEO of National Iranian Gas Company)
- Nosrat Rahimi (Chairman of the Board of Directors of Retirement, Deposit and Welfare Funds of the Oil Industry Employees)
- Houshang Falahatian (Deputy Minister of Energy)
- Mohammad Reza Moghadam (Deputy Oil Minister for Research and Technology)
- Amir Hossein Zamani Nia (Deputy Oil Minister for Commerce and International Affairs)
- Habibollah Bitaraf (Head of Iranian Petroleum and Energy Council Club)
- Seyed Mahdi Mirmoezi (Chairman of the Board of Iranian Petroleum and Energy Club Congress)
- Hossein Kazem Pour Ardabili (OPEC Governor)
- Mohammad Hasan Panjeshahi(Scientific Secretary of the Congress & Head of the Institute of Petroleum Engineering Technical Faculty of Tehran University)

- Abbas Ali Abadi(CEO of MAPNA Group)
- Saeed Mohtadi (Chairman of Association of the Iran Industrial Equipment Manufacturers)
- Reza Padidar (Chairman of the Board Directors Association of Iranian Petroleum Industries Equipment Manufacturers)
- Behzad Hazrati (Chairman of the Board of Association Oil, Gas and Petrochemical Engineering and Construction Companies)
- Hormozd Ramineh (Chairman of the Board Directors and Iranian Society of Consulting Engineers)



## Scientific Committee

- Mohammad Hasan Panjeshahi
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- Abdolnabi Hashemi
- Fardad Daliri
- Nosratollah Seyfi
- Bahman Masoudi
- Iraj Ghorbani
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- Hiva Khaledi
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- Ali Kalantari
- Hamed Tavasoli
- Akbar Shabanikia
- Mohammad Ali Nazari
- Mohammad Abedi
- Ali Misaghi
- Mohammad Reza Kamali
- Seyed Reza Mofidi
- Parviz Afshari
- Hossein Izanlou

## Executive Committee

- Gholam Reza Manouchehri(Congress Secretary)
- Akbar Nematollahi
- Mohammad Iravani
- Mohammad Hasan Panjeshahi
- Mohammad Hasan Peyvandi
- Azizollah Ramezani
- Mohammad Reza Abdollahi(Executive Director of Iranian Energy Club)



## Congress Topics

- **Power:** Capacity and Efficiency Enhancement in Gas Power Plants, Smart Grid, Power Market Restructure
- **Upstream:** Advanced and Intelligent Drilling, Seismic, Production in Deep Water, Shale Oil and Shale Gas, New Production Technology
- **Petrochemical and Refining:** Natural Gas to Polypropylene, Surge Olefin Plants Capacity, Integrated Complex, Heavy Residue Deep Converting
- **Natural Gas:** Efficiency Enhancement and Cost Reduction in GTL and LNG
- **Renewable Energy:** Efficiency Enhancement and Cost Reduction in Solar and Wind Plants
- **Energy Conservation:** Energy Conservation in Energy Intensive Industries, Developing Housing Industry towards Green Buildings
- **Vehicle:** CNG as Fuel for Vehicles, Electrical and Hybrid Vehicles, Efficiency Enhancement

## Executive Team

<b>Director of International Media</b>	Reza Zandi
<b>Head of the Secretariat</b>	Sara Mohammadi
<b>Members of the Congress Secretariat</b>	Niloofer Sharifi, Maryam Abhari, Maryam Mirarab, Nahid Taghipour
<b>Exhibition Manager</b>	Davoud Asadi
<b>Exhibition Marketing</b>	Ali Golriz, Sahar Ganjineh
<b>Financial Managers</b>	Somaye Mansouri, Sadegh Shirazi, Soroush Malek Mohammadi
<b>Procurement Manager</b>	Morteza Bayat
<b>Organizer Staff</b>	Hossein Amouei, Sharareh Vakil, Sahar Govahi, Samaneh Rezaei, Amin Zare, Mehrnoosh Motedayen, Maryam Soleymani
<b>Graphist &amp; Designer</b>	Elahe Lotfi



# Congress Sponsors

## Platin Sponsors

- Persian Gulf Petrochemical
- Iranian Investment Petrochemical Company
- Oil Turbo Compressor Group
- Dana Energy Co
- Pasargad Energy Development Company
- Pars Petrochemical
- Iranian Offshore Engineering and Construction Company (IOEC)
- Oil Industry Engineering and Construction (OIEC)
- Fajr Petrochemical
- Mapna Group
- Oil Industries Commissioning & Operation
- Bana Gostar Karaneh (BGK)
- Bandar Imam Petrochemical Co
- Nargan
- Tadbir Energy Development Group
- Jahanpars
- Nori Petrochemical

## Gold Sponsors

- Sazeh Consultans Engineering & Construction
- Sanaye-e Farasahel
- Tamin Petroleum & Petrochemical Investment(TAPPICO)
- Petropars Limited (PPL)
- Aban Air Cooler
- Mehran
- Hirbodan
- Petrochemical Commercial(PCC)
- Bentec/Leistriz





## Silver Sponsors

- Ehdas
- Arvand Petrochemical
- Moshanir & Petro Electric Consortium
- Tonggoyan Petrochemical
- Mellat Investment Bank

## Media Sponsors

- MEES
- UPSTREAM
- IranOilGas
- Asia News

# IPEC 2015 Congress Program Overview

## Congress Program – Day 1

Monday – October 19, 2015

8:00-9:00	9:00-11:10	11:10-12:30	12:30-13:30	13:30-15:00	15:00 -15:30	15:30 -17:00
Breakfast & Registration	Congress Opening	Exhibition Opening	Prayer & Lunch	Upstream Panel	Break	LNG panel

## Congress Program – Day 2

Tuesday – October 20, 2015

8:30-10:30	10:30-11:00	11:00-12:40	12:40-13:30	13:30-15:00	15:00-15:30	15:30-17:00
Power Panel	Break	Petrochemical & Refining panel	Prayer & Lunch	Renewable Energy and Energy Conservation Panels	Break	Congress Closing

## Congress Program – Day 3

Wednesday – October 21, 2015

8:30-10:00	10:00-10:30	10:30-12:00	12:00-13:00	13:00-15:00	15:00-15:30	15:30-17:30
Seminar on Investment Opportunities in Petroleum Industry of Iran	Break	Seminar on Investment Opportunities in Petroleum Industry of Iran	Prayer & Lunch	Seminar on Investment Opportunities in Energy Industry of Iran	Break	Seminar on Investment Opportunities in Petrochemical Industry of Iran

# Congress Programs

IPEC 2015

Monday – October 19, 2015



Time	Titel	Subject
8:00-9:00	Breakfast & Registration	
9:00-11:10	Opening Ceremony	
11:10-11:40	Press Release Petroleum Minister	
11:40-12:30	Exhibition Opening- Prayer	
12:30-13:30	Lunch	
13:30-13:50	Rainer Seele: Chairman & CEO of OMV	Upstream Panel
13:50-14:10	Seyed Mahdi Mirmoezi: Chairman of the Board of Iranian Petroleum Energy Club Congress	
14:10-14:30	Stéphane Michel: President Middle East & North Africa MENA of Total Exploration & Production	
14:30-14:50	Antonio Vella: Chief Upstream Officer of ENI	
14:50-15:00	Mohammad Ali Emadi: President of the IOR/EOR Research Institute (Conclusion-Questions and Answers)	
15:00-15:30	Break	
15:30-15:50	Wolfgang Büchele: CEO of Linde	LNG Panel
15:50-16:10	Hamid Reza Araghi: Deputy Oil Minister and CEO of National Iranian Gas Company	
16:10-16:30	Akira Kunimatsu: General Manager, LNG Carrier Division of Mitsui O.S.K Lines	
16:30-16:50	Fereidun Fesharaki: Founder and Chairman of Facts Global Energy	
16:50-17:00	Azizollah Ramezani: Director of International Affairs National Gas Company (Conclusion - Questions and Answers)	

## Tuesday – October 20, 2015

Time	Titel	Subject
8:30-8:40	Quran	<b>Opening</b>
8:40-9:00	Hamid Chitchian: Minister of Energy	
9:00-9:20	Giuseppe Zampini: CEO of Ansaldo Energia	<b>Power Panel</b>
9:20-9:40	Houshang Falahatian: Deputy Minister of Energy	
9:40-10:00	Willi Meixner: CEO Power and Gas Division of Siemens	
10:00-10:20	Takato Nishizawa: President and CEO of Mitsubishi Hitachi Power System	
10:20-10:30	Mohammad Sadegh Ghazizadeh: The Head of the Energy Research Institute (Conclusion - Questions and Answers)	
<b>10:30-11:00</b>	<b>Break</b>	
11:00-11:20	Jean-Marc de Royere: Senior Vice President International & Sustainability of Air Liquide	<b>Petrochemical &amp; Refining panel</b>
11:20-11:40	Hiroshi Ogawa-Senior Executive Vice President of Chiyoda Corporation	
11:40-11:55	Marzieh Shah Daei: Member of the Board of Directors and Manager of Projects at National Petrochemical Company	
11:55-12:15	Yutaka Yamazaki: Senior Executive Vice President of JGC Corporation	
12:15-12:30	Abbas Kazemi: Deputy Minister and CEO of National Iranian Oil Refining and Distribution	
12:30-12:40	Mohammad Hasan Peyvandi: Vice President National Petrochemical Company-(Conclusion-Questions and Answers)	
<b>12:40-13:30</b>	<b>Lunch</b>	



Time	Titel	Subject
13:30-14:00	Inigo Sabater Eizaguirre: Vice President, Global Business Development of Vestas Wind Systems	Renewable Energy and Energy Conservation Panels
14:00-14:25	Mohammad Sadeghzadeh: CEO of Renewable Energy Organization of Iran	
14:25-14:50	Mohammad Mehdi Rahmati: Advisor to the Minister of Petroleum and Chairman of the Iranian Fuel Conservation Company	
14:50-15:00	Mohammad Sadeghzadeh: CEO of Renewable Energy Organization of Iran-(Conclusion - Questions and Answers)	
<b>15:00-15:30</b>	<b>Break</b>	
15:30-15:50	Ulrich Muller-External Affairs, Director of Automative Regulatory Strategy of Daimler	Congress Closing
15:50-17:00	Closing Ceremony	

# Seminar on Investment Opportunities in Petroleum Industry of Iran

## TOPICS

### General Introduction to New Model of Iranian Petroleum Contract

- The necessity for proposing new oil contracts
- General introduction to new model
- The advantages of the new model via previous methods

### List of New Investment Opportunities in NIOC

- List of development, production maintenance and IOR plans in upstream sector
- Evaluation of investment required in upstream sector
- Diversification strategies for investment needed in upstream sector
- New approaches for investment in NIOC with an emphasis on privatization
- List of new investment opportunities in NIOC's upstream sector
- Introducing Iran's investment opportunities in associated gas, LNG & NGL projects and drilling sector

### First Topic Speaker

Mr. Seyyed Mehdi Hosseini, the Head of Ministry of Petroleum's Oil Contracts Revision Committee

### Second Topic Speakers

Mr. Kardor, Director of Investment at National Iranian Oil Company

Mr. Delparish, Director of Corporate Planning & Board Member at National Iranian Oil Company

# Seminar on Investment Opportunities in Energy Industry of Iran



## TOPICS

### **Business Opportunities in The Power Industry**

- Introduce projects of Improve efficiency, reduce losses and optimization in the electrical industry
- Introduction of business opportunities in renewable energy development
- Summary of the results of efficiency projects saving in power industry

### **The Role of The Electricity Market and Energy Exchange To Improve Business Environment in Iran's Electricity Industry**

- Restructuring and its role in improving business environment
- The position of the electricity market and energy exchange in business environment
- The role of the energy exchange and retail market of electricity to improve business environment

### **Making Power Smart Grid**

- Introduction of Advanced Metering Infrastructures Project (AMI)
- Actions taken
- future plans (With emphasis on Demand response methods)
- improve business environment

### **First Topic Speaker**

Dr. Esmail Nia (Director General of water and power Market regulation Department)

### **Second Topic Speaker**

Mr. Riahi (chief executive officer of Iran Grid Management company)

### **Third Topic Speaker**

Mr. Madghagh (director of metering systems and smart Grids)

# Seminar on Investment Opportunities in Petrochemical Industry of Iran

## TOPICS

### **Introduction to Iran Petrochemical Industries Policies and Development Future Plans**

### **Introduction to New Investment Opportunities in Iranian Petrochemical Industries**

- Introduction to under construction Iranian petrochemical plants
- An introduction to investment target plants with low physical progress in Iran petrochemical industry
- Introduction to Iranian petrochemical future plans

### **Introduction to Persian Gulf Petrochemical Industries Company's Investment Plans**

#### **First Topic Speaker**

Mr. Peyvandi, Deputy Managing Director of the National Petrochemical Company

#### **Second Topic Speaker**

Ms. Shah-Daei, a Member of the Board of Directors and Manager of Projects at National Petrochemical Company

#### **Third Topic Speaker**

Mr. Nejad Salim, CEO of the Persian Gulf Petrochemical Industries Company



# **Keynote Speakers Curriculum Vitae**

**Iranian Petroleum & Energy Club Congress**

# **IPEC 2015**

**Olympic Hotel**

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**Joseph Toth**  
President of WPC

Studied in Budapest University of Economics in 1974 and the same year he was granted a post-graduate scholarship at Imperial College, London University. He became a Doctor of Economics in 1976. From 1980 to 1992 Dr Toth was working as a founding member of the Far East Business Club in Hungary and of Hungarian Foreign Trade Association and worked as a member of the Presidium of the Budapest Chamber of Commerce and Industry. He is a founding and active chairman of the Hungarian Petroleum Association since 1992. From 1984 to 1996 he worked as a Managing Director of Mineralimpex Hungarian Trading Company for Oil and Mining Products. He is also a Vice President of the Board of the Hungarian Hydrocarbon Strategic Stockpiling Association from 1993 till current day. For three years from 1996 till 1999 he worked as a Senior Vice President of MOLTRADE Mineralimpex Co Ltd., legal successor of Mineralimpex. He then went to become a Managing Director of MOL Hungarian Oil and Gas Pcl starting from 1999 till 2002. Dr Toth is also a member of the Industry Advisory Board of the International Energy Agency since 2001 to date. He is also an Executive Chairman of OLAJTERV Group from 2010 to date. Dr Toth is an Honorary Professor at the University of Veszprém, Hungary.





## **H.E Seyed Mohammad Hossein Adeli**

General Secretary of GECF

HE Seyed Mohammad Hossein Adeli is the second Secretary General of the Gas Exporting Countries Forum and was appointed in this position by Resolution No. 1/MM-15/2013 of the 15th Ministerial Meeting (Tehran, Iran, 3rd November, 2013) for the period of 2014-2016.

The Ministerial Meeting appoints the Secretary General for a period of two years, which term of office may be renewed once for the same period of time. This appointment takes place upon nomination by Member countries. The Secretary General is the chief officer in the Secretariat and is the legally authorized representative of the Forum. In this capacity, he has the authority to carry out the executive functions of the Forum in accordance with directions of the Executive Board and the GECF Statute, and is liable and accountable to both the Executive Board and the Ministerial Meeting. Among other functions, the Secretary General ensures that the Budget and the Programs of Work of the Forum are complied with, organizes and administers the work of the Secretariat; prepares reports for submission to Executive Board meetings and attends the meeting of the Governing Bodies of the GECF.

The Secretary General is assisted in the discharge of his duties by a team of officers and staff including three Department Heads, Head of the Office of the Secretary General, the Legal Officer, the Public Relations Officer and the Internal Auditor.



## **Rainer Seele** Chairman & CEO of OMV

After his studies at the University of Göttingen, where he obtained a doctorate in Chemistry, Mr. Seele joined BASF Aktiengesellschaft, initially as a research scientist. After working in a number of different functions between 1987 and 1996, Mr. Seele was appointed as Head of Group Chemical Research and Head of Planning and Controlling at BASF Aktiengesellschaft. In 1996 he became Head of Strategic Planning at Wintershall AG in Kassel, and in 2000 he became a member of the Executive Board at WINGAS as Head of Sales and Trading. In 2002, Mr. Seele was also appointed Chairman of the Board of Executive Directors of WINGAS GmbH. He became Chairman of the Wintershall Board in 2009. Starting July 1, 2015, Mr. Seele is Chief Executive Officer and Chairman of the OMV Executive Board.

On September 22, 2015, Mr. Seele was appointed as member of the OMV Petrom Supervisory Board by the Ordinary General Meeting of Shareholders and confirmed as President of the OMV Petrom Supervisory Board by the Supervisory Board.





## **Antonio Vella**

Chief Upstream Officer of Eni

He graduated in engineering from the Turin Polytechnic in 1982 and joined the Eni Group in 1983.

He began his career as an oil engineer at Agip in Libya, where he was involved in upstream onshore and offshore operations.

From 1988 to 1991, he was project manager for Enichem's petrochemical plants and refineries in Italy.

In 1991 he was appointed project manager for the development of Libyan oil fields and in 1993 he moved to Egypt, initially as operations manager and subsequently as general manager and managing director of Petrobel, where he was responsible for all of Eni's upstream operations in Egypt.

In 1999 he was appointed district general manager of Nigerian Agip Oil Co (NAOC), and in 2000 became vice chairman and managing director of the Eni companies in Nigeria NAOC, NAE (Nigerian Agip Exploration) and AENR (Agip Energy).

In 2002 he became regional vice president for Australasia, Russia, Azerbaijan and then, in 2005, a member of the board of directors and managing director of Eni Algeria.

From 2006 to 2009 he was regional senior vice president for North Africa and the Middle East (Algeria, Tunisia, Egypt, Libya, Mali, Morocco, Iran, Iraq, Saudi Arabia) for Eni's Exploration & Production Division.

In 2009 he was appointed executive vice president operations for the Exploration & Production Division.

In December 2012 he was appointed executive vice president for Central Asia, the Far East and the Pacific Area.

Since July 2014 he has been a board member of Eni Foundation.

Antonio Vella was born in Tripoli (Libya) in 1957 and since 1 July 2014 he has been Eni's Chief Upstream Officer.



## Stéphane Michel

President Middle East & North Africa,  
MENA of Total Exploration & Production

A graduate of Ecole Polytechnique (1994) and Ecole des Mines de Paris (1997), Stéphane Michel is an Engineer of the Corps des Mines.

After having served as Energy Advisor to the French Finance Minister between 2002 and 2004, Stéphane Michel joined the Total Group in 2005 as Business Development Manager for Total Downstream Asia, based in Singapore.

In 2008, Stéphane Michel was named JV and Business Development Manager of Total E&P Qatar, and in 2010, was appointed Managing Director of Total E&P Libye. In 2011, Stéphane Michel became Managing Director of Total E&P Qatar.

On January 1, 2014, Stéphane Michel was appointed Senior Vice President Middle East / North Africa.





## Chemist Wolfgang Büchele

CEO of Linde

Education:

- 1979-84: University degree course in chemistry, University of Ulm (concentration in solid state chemistry), Degree: Graduate Chemist
- 1984-87: Assistant in inorganic chemistry, University of Ulm unde Professor Dr. rer. nat. Lentz
- 1987: Doctorate (Dr. rer. nat) with a specialization in inorganic chemistry

### Short CV Wolfgang Büchele

Professional career:

**BASF AG**

- 1987-90: Research chemist for industrial catalysts
- 1990-93: Research group head (industrial catalysts)
- 1993-97: Head of Regional Marketing Catalysts Asia, Hong Kon
- 1997-99: Head of Global Marketing Cosmetic Raw Materials
- 1999-2001: Head of Business Management Fine Chemicals Europ
- 2001-03: President of Eastern Europe, Africa, West Asia Region Division
- 2003-05: President, Performance Chemicals Supervisory Board  
Chairman BASF Drucksysteme GmbH, Stuttgart
- 2003-07: Member of the Site Management Committee of the Ludwigshafen site





2005-07: President, Fine Chemicals

2007: Appointed to the Management Board effective January 2008 with responsibility for oil and gas, the region Euro as well as Global Procurement & Logistics

**The Blackstone Group LLP**

2008: Project Advisor (incl. minority interest in Evonik AG)

**Permira Beteiligungsberatung GmbH, Frankfurt**

2008-11: Senior Advisor

**BorsodChem Zrt., Kazincbarcika/Hungary**

2008-11: Chief Executive Officer

2009-11: Chief Executive Officer and Chairman of the Board

2011: Chief Executive Officer and Member of the Board

**Kemira Oyj., Helsinki/Finland**

2009-11: Member of the Board

2012: Advisor to the Chairman and Member of the Board

2012-14: Chief Executive Officer



## Fereidun Fesharaki

Founder and Chairman of Facts Global Energy

Dr. Fereidun Fesharaki is the Founder and Chairman of FGE. FGE is a leading consulting group focusing on the oil and gas markets East of the Suez, Europe, and the United States, with offices in London, Singapore, Dubai, Beijing, Honolulu, Tokyo, Perth, New York, California, Jakarta, and Melbourne. FGE was incorporated as Fesharaki Associates Consulting & Technical Services (FACTS), Inc. in 1984 by Dr. Fesharaki. His work is well-recognized worldwide for pioneering oil and gas market analysis and studies of the Asia Pacific/Middle East energy markets since the early 1980s.

Born in Iran, he received his Ph.D. in Economics from the University of Surrey in England. He then completed a Visiting Fellowship at Harvard University's Center for Middle Eastern Studies. In the late 1970s, he attended the OPEC Ministerial Conferences in his capacity as Energy Adviser to the Prime Minister of Iran. He joined East-West Center in 1979 and was a Senior Fellow leading energy-related research till end 2013. In addition, Dr. Fesharaki is the author of more than 100 papers and has authored or edited over thirty books and monographs.

In 1989, Dr. Fesharaki was elected a member of the Council on Foreign Relations in New York. Since 1991, he has been a member of the International Advisory Board of JX Holdings (and its predecessor companies)—Japan's largest oil company. Dr. Fesharaki was the 1993 President of the International Association for Energy Economics (IAEE), the key professional organization representing over 3,900 energy economists in more than 85 countries.

In 1995, Dr. Fesharaki was elected a Senior Fellow of the U.S. Association for Energy Economics for distinguished services in the field of energy economics. In 2002, he was appointed a Senior Associate of the Center for Strategic and International Studies (CSIS) in Washington, D.C.

In 2008, Dr. Fesharaki was appointed to the National Petroleum Council by then US Secretary of Energy and was re-appointed by US Secretary of Energy Moniz in 2014. Since 2009, he has been a member of the Dubai Mercantile Exchange Limited (DME) Board of Directors. He received the Outstanding Contributions to the IAEE Award in 2012. In 2013, he joined the Advisory Board of VOPAK LNG. Most recently, Dr. Fesharaki was appointed as Honorary Advisor by CNPC Research Institute of Economics and Technologies in Beijing.



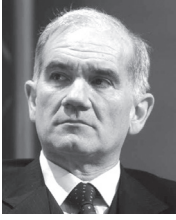


## **Akira Kunimatsu**

General Manager, LNG Carrier Division of  
Mitsui O.S.K Lines

Akira Kunimatsu joined Mitsui O.S.K. Lines, Ltd. (“MOL”) in 1991. Since then. He has experienced various areas of shipping industry including LNG ocean transportation (1994-1998 & 2015), liner (container ship) service, and logistics service providers, and also worked in MOL’s oversea offices such as Chicago (2004-2008) and Hong Kong (2011-2015).

At present, he is responsible for LNG carrier business mainly in Middle East and India.



## Zampini Giuseppe

CEO of Ansaldo Energia



In this position, Giuseppe Zampini led the restructuring of Ansaldo Energia, on the verge of bankruptcy at the beginning of 2000, turning it into Italy's largest electromechanical company, economically healthy and technologically independent.

International experience in English-speaking countries, North Africa, Iran, the Middle East and the Far East.

• **August 1999 - April 2001**

Position: General Manager of Ansaldo Energia

• **November 1997 - August 1999**

Position: Deputy General Manager of Ansaldo Energia

• **1989 - November 1997**

Position: Responsible for the Energy Operations (cogeneration and renewable energies) of Ansaldo Industria SpA as part of the Cogeneration Business Unit of Ansaldo Industria. The Business Unit grew from an annual turnover of around 40 bn lira at the beginning of 1990 to approximately 180 bn lira at end of the period, with approximately 270 employees.

• **1994 - 1997**

Ansaldo Industry USA becomes a subsidiary of the Cogeneration Business Unit of Ansaldo Industria, reporting directly to the undersigned.

• **1990 - 1993**

Directly in charge of the energy operations of Ansaldo Industria in the USA, via the incorporation and launch of Ansaldo Industry USA (currently "Ansaldo Energy USA")

The Company was ranked among the “top 20 construction companies in the USA” by specialised journals in 1994. Operations in Italy and the United States were directly and simultaneously managed by the undersigned, particularly from 1992 to 1993.

In the USA, operations involved both plant construction and project financing, which made it possible to gain specific experience on the subject.

These operations were personally coordinated with frequent travelling to the U.S.A. This experience was later to become useful for the relaunch of Ansaldo Energia and the acquisition of major orders for the Company both in Italy and abroad in the last ten years.

- **1982 - 1988**

Head of the Components business unit of NIRA SpA, an Italian subsidiary of the Ansaldo Group operating in the nuclear power business.

The business unit was composed of 150 high-profile technicians, some to be later taken over by Ansaldo Energia’s nuclear business unit, a fully-owned subsidiary of Ansaldo Energia since November 2005.

Activities in relation to Italy’s Unified Nuclear Project (PUN) were developed in the period.

- **End 1982**

Appointed Executive of the Ansaldo Group. From this moment, technical activities went alongside with managerial coordination (of both economic and HR aspects) and the development of extensive international relations (Great

Britain, France, Germany) in the nuclear energy sector.

- **1981 - 1982**

Temporarily moving to the USA for NIRA as a nuclear components specialist at Westinghouse.

- **1972 - 1981**

Structural specialist in nuclear components.



### **Memberships**

**Since February 2013:** Chairman of Federprogetti – Italian Federation of Industrial Plant Engineering

**Since 20 December 2012:** Chairman of Confindustria (Italian Industrialists' Federation)–Genoa

**December 2008 – December 2012:** Deputy Chairman of Confindustria - Genoa

**Member of the Board of Directors and Executive Committee of ANIMP**, the Italian Association of Industrial Plant Engineering

**Member of the Board of Directors at ALCE**, Associazione Ligure **Commercio Estero** (Ligurian Foreign Trade Association)

Member of ASME - American Society of Mechanical Engineering

### **Directorships**

Since 2010: Member of the Board of Directors at the Galliera Hospital, Genoa

Since February 2013: Member of the Board of Directors at the Gaslini Foundation, Genoa

### **Education**

- June 1971 - Degree in nuclear engineering with honours from the University of Pisa



## Willi Meixner

CEO Power and Gas Division of Siemens AG

Effective as of March 15, 2015, Willi Meixner (50) will be appointed as the CEO of the Power and Gas Division as the successor to Roland Fischer (52), who left Siemens at his own request. Up to now, Meixner served as the CEO of the Distributed Generation and Compressors business unit and thus was responsible for service business for compressors, steam turbines and small gas turbines used primarily in the oil and gas industry. He has worked for more than 20 years in various positions in the power generation industry and is holding a degree in mechanical engineering as well as an MBA degree from the European School of Management and Technologies in Berlin.

“With his strong focus on our customers and his experience in leading and in the industry, Willi Meixner is certainly the right person to lead the Power and Gas Division through the challenging market of today and to strengthen our competitiveness for tomorrow”, stated Lisa Davis, member of the managing board of Siemens AG.

The products and solutions from the Power and Gas Division range from gas and steam turbines and generators of all sizes up to turn-key power plants. The division is also home to the business for compressors and aeroderivative gas turbines acquired from Rolls-Royce on December 1, 2014. In the past fiscal year (up to September 30, 2014) the Power and Gas Division achieved revenues on a pro-forma basis of EUR 12.7 billion and profits of EUR 2.2 billion. New orders received amounted to EUR 14 billion.





## Takato Nishizawa

President and CEO of Mitsubishi Hitachi  
Power System

- Apr. 1, 2003 General Manager, Machinery Headquarters
- May. 1, 2006 General Manager, Machinery & Steel Structures  
Headquarters
- Jun. 1, 2006 Deputy Head of Plant and Transportation Systems  
Engineering & Construction Center, General  
Manager, Machinery & Steel Structures Headquarters
- Oct. 1, 2006 Head of Plant and Transportation Systems Engineering  
& Construction Center, General Manager, Machinery  
& Steel Structures Headquarters
- Apr. 1, 2007 Senior Vice President, Head of Plant and Transportation  
Systems Engineering & Construction Center
- Oct. 1, 2009 Senior Vice President, Senior General Manager,  
Environmental & Chemical Plant Division
- Apr. 1, 2010 Senior Vice President, Deputy Head of Machinery & Steel  
Structures Headquarters
- Apr. 1, 2011 Executive Vice President
- Jun.23, 2011 Director, Executive Vice President
- Jan. 1, 2012 Director, Executive Vice President, Head of Engineering  
Headquarters
- Oct. 1, 2013 Director, Executive Vice President, Vice President, Energy  
& Environment, Head of Power Systems Division
- Jan.31, 2014 Retired the post of Director
- Feb. 1, 2014 President and CEO of Mitsubishi Hitachi Power Systems,  
Ltd. (Present Position)





## Jean-Marc de Royere

Senior Vice President International & Sustainability of Air Liquide

Jean-Marc de Royere is Senior Vice President “International & Sustainability” of Air Liquide and a member of its Executive Committee. He began his career with Air Liquide in 1990 in its Engineering Group, responsible for South-east Asia and Eastern Europe sales. In 1993, he joined a business development team promoting cogenerated-energy schemes, first in France and then in Asia out of Hong Kong.

On his return to Paris in 1995, he took charge of the Group’s strategic planning and in 1997, of corporate controlling. In 1999, he started a “Venture Services Division”, with several IT-based applications and new companies in the field of plant optimisation, logistics and RFID.

In 2000, Jean-Marc de Royere was appointed head of the Group’s Healthcare Division, which grew into a major unit of Air Liquide, with extensive international operations, several hospital-based businesses (gases, hygiene products and respiratory equipment) and a world-class home health-care franchise, serving patients with chronic conditions. In January 2010, he was appointed head of Air Liquide’s Asia Pacific business, managing from Tokyo the Group’s operations in the Asia-Pacific region comprising China and Taiwan, Japan, Korea, South-east Asia, India, and Australasia. He oversaw a period of high investment and growth, including major developments in China and a turnaround in Japan, despite the March 2011 Fukushima crisis.

Jean-Marc de Royere was born in Paris in 1965 and graduated with a degree in Business Finance and Administration from the Hautes Etudes Commerciales (HEC) Business School, France in 1986. He is married and a father of four.



## Hiroshi Ogawa

Senior Executive Vice President of Chiyoda Corporation

Mr. Ogawa joined the company in 1977. After serving as a fired heater engineer and site supervisor, he experienced most of the positions at the projects in Venezuela, Saudi Arabia, Indonesia, Iran and Qatar. Whilst working on those projects, he was able to enhance his technical and management capabilities by means of engaging in most phases of the projects from the engineering phase through to the construction. Mr. Ogawa was appointed Executive Officer in 2005, Managing Executive Officer in 2006, Managing Executive Officer (Director) in 2009, Senior Managing Executive Officer (Representative Director) in 2010, and Senior Executive Vice President (Representative Director) in April 2013. He considers that his role is to thoroughly investigate problems to determine the cause to fix the troubles regardless of whether they are minor and checking the improvement. Mr. Ogawa is finding a way of pulling company's best strength systematically as an organization while taking full advantage of employees' abilities. He hopes to change the present company into the company that every employee to go to the office and work every morning.





## Yutaka Yamazaki

Senior Executive Vice President of JGC Corporation

Education: Master's Degree in Synthetic Chemistry, Nagoya University (Graduated in 1978)

Yutaka Yamazaki has been Director, Senior Executive Vice President of JGC Corporation since July 2014, following the role of Executive Vice President (June 2013-June 2014)

### **Summary of Experience:**

About 35 years of experience, all with JGC, in a wide variety of foreign and domestic process plants and offsite facilities in the fields of petroleum refining, petrochemical and power industries. Has progressed from Project Engineer, Project Manager and Project Director to Project Sponsor on multi-discipline projects.

Has extensive experience in project management of mega size projects overseas, including control of all financial matters and of all functional disciplines, such as engineering, procurement, scheduling, cost control, and construction.

Has knowledge of EPC projects in many parts of the world and the problems that can arise during the execution.

Has successfully led and controlled project taskforces for various projects and efficiently coordinated the various interfaces.

He is married with a son and two daughters.



## Iñigo Sabater Eizaguirre

Vice President, Global Business Development  
of Vestas Wind Systems



He currently works for Vestas as Vice President, Head of Global Business Development. This role entails developing and linking Vestas industrial and commercial strategies, with national energy policies and wind power development plans, as well as expanding the company commercial activity to new markets. He held before several positions in Vestas as responsible for Public Affairs and Business Development in Europe, Middle East, North Africa and Latin America since June 2010.

He is Vice President of the European Wind Energy Association (EWEA) and of the Spanish Wind Industrial Association (AEE). He has been Director of the Master on Renewable Energies of the School for Industrial Organisation (EOI).

Iñigo has also assumed responsibilities in programme management, policy development and in international cooperation. Iñigo has managed European Programmes for research and technological development, including projects such as GALILEO, the Single European Sky, ERTMS, the European Recovery Plan for CCS and Off-Shore Wind, the International Partnership for The Hydrogen Economy and others. Iñigo also led the development of the European Strategic Energy Technology Plan (Set-Plan).

He has held different positions in international and national institutions such as the European Commission, the International Energy Agency, the Centre for Industrial Technological Development in Spain. In the private sector, he has worked as a consultant for infrastructure planning and in quality assurance systems.

He holds a degree in Aeronautical Engineering from the 'Universidad Politécnica de Madrid'.



## Ulrich Müller

External Affairs, Director Automotive  
Regulatory Strategy of Daimler

### **Previous Assignments**

- Homologation Mercedes-Benz Passenger Vehicles
- Organization and Controlling Passenger Vehicle Engineering
- Total Quality Management Passenger Vehicle Engineering
- Strategic Planning Financial Services
- Investment Planning, Organization and Controlling R&D Passenger Vehicles
- Strategic Planning Vans

### **Education – Economics, Dr. rer. pol.**

- Technical University Berlin, Germany
- Harvard University, USA
- University of Bamberg, Germany