

organized by:



IRAN Renewable Energies Commercial Conference

TEHRAN, 6-8 DECEMBER 2016
Espinass Palace Hotel

Iran Renewable Energies Commercial Conference

(IRECC)



organized by:



انجمن انرژی های تجدید پذیر ایران
Iran Renewable Energy Association



green power
events | community | insight

1



About IrREA



Iran Renewable Energy Association is an independent non-governmental syndicate in the Islamic Republic of Iran focusing on renewable energies. The main activities of this association are promoting and increasing awareness, developing culture and institutionalizing the implementation of clean energy, including wind, solar, biomass, geothermal and hydrogen energies.



<http://en.irrea.ir/conference-home/>

organized by:



▶ Our Mission

Coordination, infrastructure improvement and development of renewable energies to generate electricity, heat and fuels in order to conserve fossil resources.

▶ Activities

Promoting generation of electricity, heat and fuels from renewable energies in order to conserve fossil resources and to use clear energy by:

- Creating a database of renewable energy experts
- Interacting with all the companies, institutions, experts and effective actors in renewable energies promotion
- Holding, assisting and organizing international or domestic exhibitions in the field of renewable energies





Iran Renewable Energies

Commercial Conference

6th-8th December 2016

Espinas Palace Hotel
Tehran, Iran

- Carrying out promotional activities in the field of renewable energy utilization
- Promoting the collaboration of universities and research centers with industry and make their partnership work
- Identifying the critical problems in renewable energy field and referring them to government agencies
- Facilitating the procedures of getting loans and necessary guarantees
- Facilitating renewable energy projects and power plants financing
- Determining the share of renewable energies in Iran's energy mix
- Enhancing the role of renewable energy in the country's major policy - making processes



<http://en.irrea.ir/conference-home/>

organized by:



انجمن انرژی های تجدید پذیر ایران
Iran Renewable Energy Association



green power
events | community | insight



Board of Directors



• Nasser Bagheri-Moghaddam



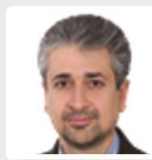
• Mahmoud Yaghoubi



• Ibrahim Asl-e Soleimani



• Shahrokh Farhangi



• Amir Maghsoudi Pour



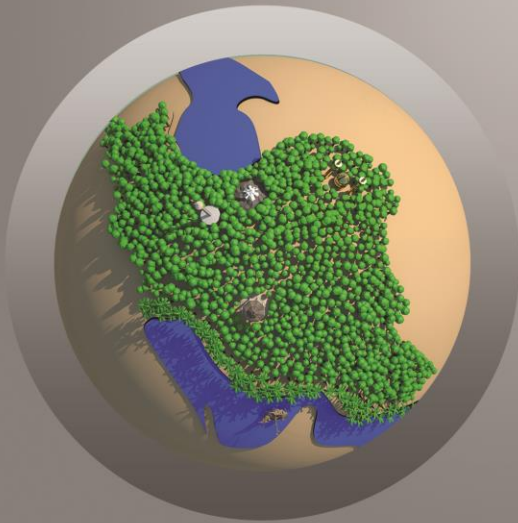
• Mohammad Eftekhari Yazdi



2. ▾

-Why IRAN?

- 5 GW target for renewable energy by 2020
- Ranked first for renewable energy potential in the region
- Huge potential for wind, solar, geothermal, and biomass energy
- Home of the first geothermal project in MENA
- Guaranteed Feed-in tariff (FIT) and PPA with SUNA for 20 years



Iran Renewable Energies

Commercial Conference

6th-8th December 2016
Espinass Palace Hotel
Tehran, Iran



<http://en.irrea.ir/conference-home/>

organized by:



▶ Iran's Renewable Energy Potential

Iran has a vast potential in renewable energy sources including solar, wind and geothermal, which have not yet been fully harnessed. The renewable energy industry in Iran is at its nascent stage. There is a great potential for private sector involvement and growing capacity in providing electricity especially for rural areas.

Solar

- Being located on the earth's solar radiation belt has created a high potential for expanding solar technologies in Iran.
- Iran's unique geographical position means 90% of the country has enough sun to generate solar power 300 days a year.
- Iran gets 520 watts per hour per square meter of solar radiation daily.
- According to the studies conducted by DLR company from Germany, there is feasibility of installing 60 GW solar-thermal power plant in more than 2000 square kilometers of area.
- By allocating 100*100 square kilometers of land to PV power plant, we can generate electricity equal to the total electricity produced in the country.

Wind

- Considering its vast area, diverse climatic regions, high altitudes, vast plains and long coasts, there are numerous windy areas in Iran. For the time being, after having considered the current conditions, more than 15 GW economic potential and 40 GW technical potential have been recognized all over the country.

Biomass

- Maximum potential for generating electricity from all types of biomass power plants for cities with the population of 250000 and above (30 cities) is more than 800MW including: 217 MW pyrolyze – gasification power plant, 311 MW waste incineration power plant, 159 MW anaerobic digest power plant and 112 MW landfill power plant.



<http://en.irrea.ir/conference-home/>

organized by:

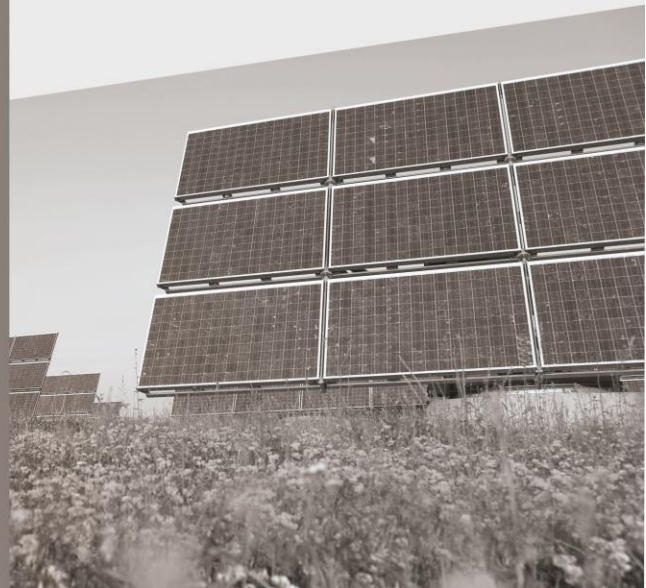


▶ Biofuels

- There are approximately 3.67 million tons of oilseeds crops in Iran that could potentially produce 721 million liters of biodiesel every year and potentially replace about 2% of total diesel fuel consumption in Iran, but currently these oils are mainly used in food production. Canola, cotton and soybean are the most likely biodiesel sources. Hybrid oil (2% biodiesel and 98% diesel) could be an alternative fuel requiring no engine modification. Use of biodiesel and ethanol has been proposed for transportation. However, currently the production capacity of ethanol in Iran is 0.7 million liters per day and it is only at the level of academic research.

▶ Geothermal

- In the geothermal field, Iran is located on the active geothermal belt and, according to the exploratory studies conducted in this field, the country is gifted with 15 potential geothermal areas.







IRAN Renewable
Energies
Commercial
Conference

Iran Renewable Energies
Commercial Conference

6th-8th December 2016
Espinass Palace Hotel
Tehran, Iran



<http://en.irrea.ir/conference-home/>

9

organized by:



▶ Vision, Goals and Important Policies

▶ Iran plans to boost renewable energy share in primary energy supply to 3% by the goals defined below:

- Reaching a target share of 10% for renewable power generation capacity installed in the country of the total generated power by 2025; (10 GW)
- Reaching a target share of 1.5% for renewable heat of the total heat consumption by 2025; (10 GW)

- Iran plans to boost industrial-scale consumption of biofuels share in fuel basket so that total petrol and gas oil reforms to "gasoline B5 and gas oil E2 to be used in the country.

- 20 years of Power Purchase Agreement (PPA)

- Adjustable rate in PPA (inflation, exchange rate fluctuation)

- After the termination of the contract, the investors are allowed to sell the produced electricity in forms of bilateral contracts, energy exchange or energy market.

- 18 months deadline for power plant deployment.

- Up to 30% bonus for enjoying domestic capabilities (know-how, technology, equipment and production)

- The Renewable Energy Organization of Iran (SUNA) is responsible to take care of this policy in preparing tariff draconing years.

▶ Foreign Investment Promotion and Protection Act (FIPPA) :

- General Criteria for Admission of Foreign Investments

- Guarantee and Transfer of Foreign Capital

- Provisions on Admission, Importation and Repatriation of Foreign Capital

- Settlement of Disputes



Iran Renewable Energies Commercial Conference

6th-8th December 2016
Espinass Palace Hotel
Tehran, Iran



<http://en.irrea.ir/conference-home/>

organized by:



3.

Conference Main Topics :

- Iran's energy outlook and the prospects and potential of renewable energies in Iran
- Iran business guide for foreign investors (FIPPA)
- Iran's renewable energies market and strategic energy initiatives
- Law enforcement mechanisms, applying steps and issuance of permit to investment in renewable energy power plants
- International environmental opportunities
- Introduction of domestic and international companies in the field of renewable energies (capacities and abilities)

The Key Benefits of Attending this Conference:

- IRECC is an international commercial conference in the field of renewable energies in Iran which will be held with the presence of a large number of powerful Iranian and international companies in industries related to renewable energy.
- This international commercial conference provides an opportunity for industrial companies and experts in this area to present and discuss their achievements, capabilities, products in order to use and internationalize the current and future technologies from around the world.
- Additionally, in order to assess the challenges of developing renewable energy in Iran, there will be opportunities for discussions with government officials to remove barriers and to facilitate investment mechanisms.
- It is hoped that holding this great event with the participation of industry experts will facilitate important steps in the development of renewable energy in Iran and the world. Furthermore, it will provide a useful starting point to stimulate the development of coordinated policies and to create a more sustainable energy sector that supports the development and welfare of Iran.





Iran Renewable Energies Commercial Conference

6th-8th December 2016
Espinass Palace Hotel
Tehran, Iran

The Key Benefits of Attending this conference are as follows:

- Understanding the future market and the main economic and political forces driving the market of renewable energy in Iran and the effects of the sanctions repeal
- Outlining key issues and access to the renewable energy market and long/short-term investment and financing opportunities and trends
- Identifying Iranian foreign investment laws, tax collection system, national employment regulations and Foreign Investment Promotion and Protection Act (FIPPA)
- An opportunity to meet investors, developers, and key national and international players in renewable energy markets

• 74% **DIRECTOR - LEVEL ATTENDEES**

• 3 **DAYS OF CONTENT**

• 40+ **HOURS OF NETWORKING**

• 6 **TECHNICAL WORKSHOPS**

• 40+ 1-2-1 **MEETINGS**

BENEFITS OF ATTENDING IREC 2016



CONNECT

with key representatives from SUNA and the Ministry of Energy who are critical in getting projects off the ground in the country



UNDERSTAND

the financing and structures available from international banks, domestic banks, public financiers, multilaterals and development finance institutions



DEVELOP

effective risk mitigation strategies by understanding how the geo-political and macro-economic climates are evolving



MEET

with international and domestic industry decision makers and stakeholders



DISCOVER

the best project and partnership opportunities across the wind, solar, geothermal and bio-energy sectors.



IMPROVE

and refine your strategy as you hear from industry leaders on the latest market and regulatory updates during this exciting time of transformation for Iran



MAKE

connections across the entire value chain that will help drive your strategy forward

Quite simply, this event is **your ticket to success in the Iranian renewable energy** | 13

organized by:



4. Agenda At A Glance

	DAY ONE	DAY TWO			DAY THREE	DAY FOUR
THEME	RENEWABLE ENERGY NECESSITIES, CHALLENGES AND OPPORTUNITIES	WIND, SOLAR, BIOMASS STREAMS			WORKSHOP	FINISH
AM	<p>Policy makers and decision makers speaking:</p> <ul style="list-style-type: none"> • Necessities • Visions and goals • Strategies and Policies • Priorities • Law • ... <p>International speakers:</p> <ul style="list-style-type: none"> • International overviews • Challenges and opportunities • Financial information • Environmental opportunities • ... 	Solar PV Stream	Wind Stream	Biomass Stream	<ul style="list-style-type: none"> • Renewable energies bankable projects and financing • Renewable power plants development process 	Site visit
	Networking Lunch	Networking Lunch			Networking Lunch	
PM	Detailed challenges of developing renewable energies in Iran and solutions with all governmental stakeholders	Solar PV Stream	Wind Stream	Geothermal Stream	<p>Domestic market workshop: Renewable Energy</p> <p>Technology transferring and technology management mechanisms and international collaboration rules</p>	

5.

Who you will meet

The most important Governmental Policymakers from:

- The Parliament of Iran
- Vice-Presidency for Science and Technology
- The Ministry of Energy
- The Ministry of Industry, Mine and Trade
- The Organization for Investment, Economic and Technical Assistant of Iran (OIETAI)
- International and Iranian companies
- Utilities
- International & regional wind, solar, biomass and geothermal equipment manufacturers
- EPC contractors
- Investors, financiers, multilateral agencies and development finance institutions
- Energy solution providers
- Lawyers and consultants



Iran Renewable Energies

Commercial Conference

6th-8th December 2016
Espinass Palace Hotel
Tehran, Iran



<http://en.irrea.ir/conference-home/>

organized by:



6. Speakers



Mr. Hamid Chitchian
Minister of Energy



Dr. Sorena Sattari
Vice-President for Science and Technology



Dr. Amiri Khankani
Vice Chairman of Energy Commission
Iranian Islamic Parliament



Dr. Naser Baqeri moqadam
Secretary of Energy Commission of the
Supreme Council of the Science,
Research and Technology



Dr. Sirous Vatankhah
Vice -Presidency for Science and Technology
Renewable Energy technology Council



Dr. Mohammad Sadeqzadeh,
SUNA's Director



Dr. Seyed Jamal Farajollah Hosseini,
Vice President, Organisation
for Investment Economic and Technical
Assistance of Iran (OIETAI)



Dr. Soleymani Asl
Board of Directors of IrREA



Dr. Ahmad Jamali
The General Director for
Foreign Investments of Organization for Investment,
Economic and Technical Assistance of Iran (OIETAI)



Mrs. Ferial Mostofi
Tehran Chamber of Commerce,
Industries, Mines and Agriculture



Mr. Mohammadtaghi Zafaranchizadeh
Nongovernmental Partnerships
Office Manager of SUNA



Mr. Hamid Reza Bahmanabadi
Chief of strategic & economic study group
Renewable Energy Organization of Iran (SUNA)



Dr. Soheil Porkhial,
Geothermal office manager of SUNA



Dr. Satkin
Wind energy office manager of SUNA,



Dr. Hashem Oraee,
Founder and President
Iran Wind Energy Association



Younes Noorollahi
University of Tehran
Head of Dep of Renewable Energies
and Environmental Eng.



Dr. Akbar Adibfar
Managing Director and Member of Board
MAPNA Renewable Energies Co



Dr Mehrdad Davarifar
Supreme Advisor of Renewable
Energy Organization of Iran (SUNA)



Kiyan Zandiyeh
Portfolio Manager
of Sturgeon Capital



Hossein Yarmohammadi
Managing Director of Pars Eltek Energy



Mr. Mustafa Serdar
Turkish Wind Energy Association



Paul Pan
General Manager, Middle East and Africa Region,
Huawei Smart PV Business



Mr. Murthy R Nuni
Founder and Director Marshal Funds



Mr. Jeremy Crane
Chief Executive Officer of Yellow Door



Mr. Andrea Magalini
Sales Director of Turboden



Giuseppe Campaniello
General Manager of Renewem



Marco Ferioli
Head of SACE Dubai / UAE and MENA Region
SACE



Luca Xodo
Head of Business Development
EXERGY Orc



Alessandro Di Michele
Partner of Green Arrow Capital

organized by:



Partners:



7. Sponsors & Exhibitors

Platinum Sponsor:



VIP Dinner Sponsors:



Silver Sponsors:



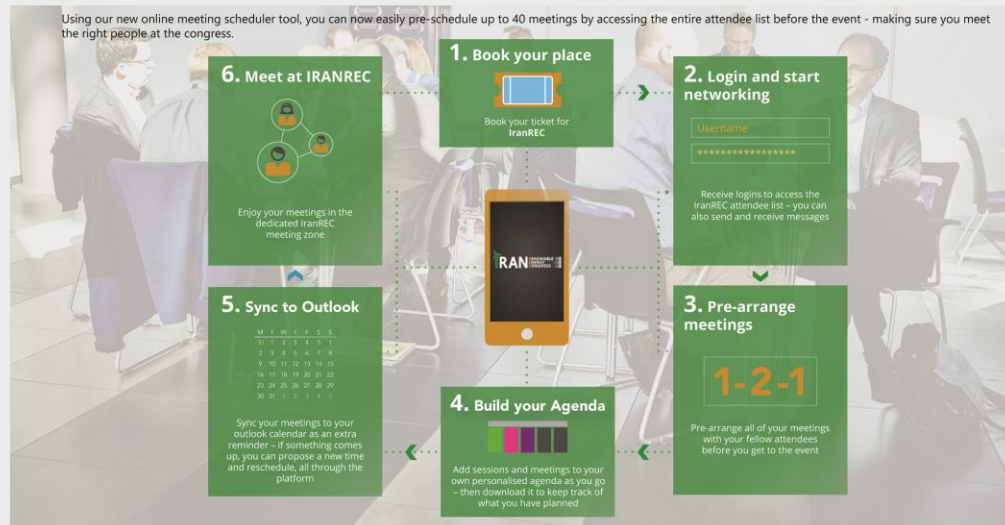
Exhibitors:



FLOORPLAN



MEETING SCHEDULER



organized by:



Why Sponsor?

There are a number of critical reasons to join us as an exhibitor and sponsor for Iran's International Commercial Conference in Renewable Energies:

Options include:

- Opportunity to host a specific memorable networking activity in exclusive locations in Iran
- Facilitation of 1-on-1 meetings with key stakeholders
- Visibility through both on and offline international marketing campaign
- Possibility to have speaking involvement through presentation or panel discussion
- Possibility to host or moderate a round-table discussion or lunch table during conference
- Unparalleled access to unique networking opportunities with a targeted group

- 
- INCREASE YOUR BRANDING
 - PROMOTE THOUGHT LEADERSHIP
 - POSITION YOUR SERVICE PRODUCT
 - ENTER ONE THE WORLD'S NEWEST RENEWABLES MARKETS

8

Conference Schedule

Day 1 (6th Dec)

Main conference – Government, country, market, main investment opportunities and finance sessions

Day 2 (7th Dec)

Main conference – ISSUE focused streams wind/solar/biomass/geothermal

Day 3 (8th Dec)

Workshop day - IRREA Workshops

Day 4 (9th Dec)

Site visit and city tour or leisure activities



Iran Renewable Energies

Commercial Conference

6th-8th December 2016

Espinas Palace Hotel

Tehran, Iran



<http://en.irrea.ir/conference-home/>

organized by:



انجمن انرژی های تجدید پذیر ایران

Iran Renewable Energy Association



green power

events | community | insight



▶ Day 1

22

Timing	Lecturer	Subject	Contents
Government Keynotes and Plenary Sessions <i>Mapping Iran's renewable energy potential: Examining the policy, regulatory and macroeconomic backdrop for renewable energy projects</i>			
8:30 – 8:45	Iran Renewable Energy Association Green Power	Congress welcome and opening remarks	<ul style="list-style-type: none"> Welcome invitees The purpose of the meeting Presentation Meeting Calendar
8:45 – 9:00	The Minister of Energy	Outlining the government's renewable energy objectives and the policies they are implementing to reach their goal of 10-GW by 2020	<ul style="list-style-type: none"> Iran's energy outlook The strategic energy initiatives of Iran's Sixth Development Plan Understanding Iran's energy diversification strategy What are the priorities of the ministry of energy to develop renewable energy power plants
9:00 – 9:15	Parliamentary Representative	Analysing the role of parliament in developing renewable energy in Iran	<ul style="list-style-type: none"> Understanding the role of renewables in Iran's defense economy strategy An Update on future renewable energy laws Evaluating the post-sanctions macroeconomic and legal landscape in Iran
9:15 – 9:30	Vice-presidency of Science and Technology (Renewable Energy Technology Development Headquarters)	Macroeconomic, legal and geopolitical overview: What is the state of play in Iran?	<ul style="list-style-type: none"> The prospects for renewable energy in Iran Programs, policies and priorities of renewable energy in Iran
9:30 – 10:00		Assessing the role of domestic renewable energy developers in accelerating Iran's Renewable Energy aims and the challenges they face	<ul style="list-style-type: none"> Politics and technology road maps on renewable energy development in Iran
10:00 – 10:30		Identifying the challenges and experiences of international investors and developers	<ul style="list-style-type: none"> Understanding the different phases of renewable power plants getting permissions in Iran What challenges do project developers face? Permissions, environmental certificates, grid connection, loans, financing etc. Developing tools to help overcome these challenges: What more can government and international partners do?
10:30 – 11:00		Networking Break	
11:00 – 11:30	SUNA Managing Director	Examining the policy and framework in place to promote renewable energy development in Iran	<ul style="list-style-type: none"> Experiences of renewable power plant development in Iran What challenges do project developers face? Permissions, environmental certificates, grid connection, loans, financing etc. Developing tools to help overcome these challenges: What more can government and local partners do?
11:30 – 12:00	TAVANIR Grid Management Company of Iran حفاظتی	Examining the current and future expansion of the transmission and distribution Infrastructure	<ul style="list-style-type: none"> Clarifying feed-in tariff rates and PPAs: Inflation and exchange rate adjusters and price multiplier Clarifying tables of feed-in tariff rates and the of the prices increase due to using local equipment in renewable power plants Registering and licensing renewable projects Feed-in-tariff one year on: Has the new model had the desired impact on increasing projects to market
12:00 – 12:30	Department of Environment	Roles of Renewable energies in decreasing greenhouse emissions (COP 21)	<ul style="list-style-type: none"> Experiences of renewable project development in Iran Current and future grid development Grid Code Commitments and obligations of COP21 INDC Goals Role of renewables in decreasing CO2 and GHG Emissions Iranian environmental Financing mechanisms and environmental values in FIT
12:30 – 13:00	Adnan Amin, Director – General of IRENA	IRENA programs of renewables developing	<ul style="list-style-type: none"> SE4ALL REMAP I RELP IOREC Platform
13:00 – 14:00		Networking Lunch	
Financing Iran's new energy paradigm			
14:00 – 14:30	Dr. Mirzeshad, manager of	Addressing the limited	<ul style="list-style-type: none"> Understanding domestic and



	<p>custom duty of electronic equipment of Ministry of Mine, Industry and Trade</p> <p>Central Bank of Iran</p> <p>National Development Fund</p> <p>Kiyan Zandiyeh, Portfolio Director – Iran Fund, Sturgeon Capital</p> <p>Ferial Mostofi, Member of the Board of the Representatives, Tehran Chamber of Commerce, Industries, Mines and Agriculture and Chairwoman of K.D.D. Group.</p> <p>Dr Salehi, vice president of energy commission, Tehran Chamber of Commerce, Industries, Mines and Agriculture</p>	<p>access and high cost of debt financing faced by Iranian renewable energy projects</p>	<p>international banks risk appetite for financing projects in Iran</p> <ul style="list-style-type: none"> • Creating bankable projects: How can developers structure projects to better access financing? • Exploring solutions to bridging the funding gap • With European banks hesitant and unsure will Russian and Turkish banks see value in this opportunity? • Recapitalising the Iranian banking market: How can the domestic banks work with the central bank and international community to recapitalise?
14:30 - 15:00	<ul style="list-style-type: none"> • Ajja Walker, Vice President, Southern Star Holdings Ltd • Murthy R Nuni, Founder and Director, Marshal Funds • Alessandro Di Michele, Partner, Green Arrow Capital 	<p>What role can private equity funds, boutique investment funds and family offices play in bringing capital to the market and how can projects seek to attract them?</p>	<ul style="list-style-type: none"> • Understanding the strategies and objectives of the different investor classes • What returns are they looking for and under what structures? • What is the appetite of domestic funds for renewables? • Is private finance a viable solution to overcoming the absence of international bank financing?
15:00 - 15:30	<p>Seyed Jamal Farajollah Hosseini, Vice President, Ministry of Economic Affairs and Finance : Organisation for Investment Economic and Technical Assistance of Iran (OIETAI)</p> <p>(Dr Khazaei, President of OIETAI) (under negotiation)</p>	<p>Understanding and mitigating risk in financing Iranian renewable energy projects</p> <p>Navigating Iranian foreign investment laws, tax collection system and national employment regulation</p>	<ul style="list-style-type: none"> • Regulatory risk: Money laundering, KYC and sanctions • Credit risk: Counterparties, country risk and sovereign risk • Currency risk: Inflation and FX • Foreign Investment Promotion and Protection Act (FIPPA) • General Criteria for Admission of Foreign Investments • Guarantee and transfer of foreign capital • Ensuring liquidity of currency and repatriation • Settlement of disputes
15:30-16:00	Networking Break		
16:00 - 16:30	<p>Marco Ferioli, Head of SACE Dubai UAE and MENA Region, SACE</p>	<p>What are the strategies of development finance institutions, multilateral agencies and export credit agencies for Iran?</p>	<ul style="list-style-type: none"> • Who's open?: Which ECAs have (re-)opened their Iran cover • In the short-term absence of international bank appetite for Iran will ECAs look to direct lending and private financing solutions? • What role can DFIs and MLAs play in bringing liquidity, risk mitigation and financing to deals • Can OEMs help in bringing equipment/vendor financing solutions to the market?
Panel: Navigating and overcoming the challenges of renewable energy project development in Iran			
16:30 - 18:30	<p>Iran Renewable Energy Organization (SUNA)</p> <p>Department of environment Tavanir</p> <p>Grid Management Company</p> <p>Ministry of Agriculture – Jihad Forest, range and watershed management organization</p>	<p>Navigating and overcoming the challenges of renewable energy project development in Iran</p>	<ul style="list-style-type: none"> • Coordination between all organization who are responsible for giving all permissions to developers • Micro-siting • Land Acquisition • PPA • Grid Connection • Evolving from small and size projects to utility scale projects • How do these challenges differ in different provinces
18:30 - 19:30	Networking reception		
19:30 - 22:30	VIP Dinner VIP Dinner Presentations		

organized by:



DAY 2 – Technology Specific Streams Agenda

STREAM A: Wind energy in Iran – Harnessing the country's enormous wind capacity

Iran is located on several major wind corridors and has an estimated wind energy potential capacity of 40,000MW. This stream will aim to evaluate and qualify this potential and discuss the practicalities of harnessing it. Schedule 1-2-1 meetings all day long using our easy on-line partnering tool!

08:00 – 09:00

Registration & Networking Breakfast

09:00 – 09:15

Stream Welcome and Chairman's opening remarks

09:15 – 09:45

Identifying and qualifying the best regions for your wind power project in Iran

- Iran's wind atlas: Where are the best and most consistent winds found?
- What data is available for wind speed and consistency? What more is needed for more accurate site identification?
- What are the challenges of micro siting wind farms?
- What information can be gathered from reference projects in Iran?
- Comparing Iran's wind potential in a global and regional context

9:45 – 10:45

Getting over the first hurdle: Examining the policy and framework in place to promote wind energy development in Iran

- Clarifying feed-in tariff rates and PPAs: Inflation and exchange rate adjusters and price multiplier
- What policy framework is still needed to encourage more wind power development
- How many licences have been granted for wind? What stage are these projects at?
- FIT Bonus for localization of wind turbines and components

10:45 – 11:15

Networking coffee break

11:15 – 12:00

Scaling up: Assessing the implications and challenges of moving from small and mid-size to utility scale wind projects

- Update on current wind operations and pipelines
- Project showcase: Successful smaller scale wind farms in operation in Iran
- What challenges do developers face in scaling up project size?
- The importance of international technology and expertise in utility scale wind projects

12:00 – 12:45

Domestic vs international: Can localisation of production for wind turbine components be a reality?

- Understanding local content premiums and how they are applied
- What is the cost strategy of building wind turbines in country?
- Which companies are already producing wind turbine components domestically and who is looking to enter the market?
- Opportunities for partnerships and licencing: Are international equipment manufacturers looking to partner with domestic companies?
- Can Iran become a Middle East manufacturing hub for wind turbines?

12:45 – 14:00

Networking lunch

14:00 – 14:45

Technology deep dive: How can new wind technologies be deployed in Iran to harness its wind potential?

- Exploring new and existing wind technologies and their benefits
 - Understanding the returns on investment of new technologies
 - Building the right technology partnerships
- International Speakers – specially from Germany or Denmark (for example Vestas)

14:45 – 15:45

Local developers' perspective: Project showcase of operational and under-construction wind farms

Hear 10 minute case studies from leading developers in the Iranian wind sector as they recount their challenges and achievements in this region followed by a Q&A

- What are the lessons learned from the projects timeline?
- What does the future of these projects look like?
- Making the most of national policies and tariffs and applying them to projects to get the best returns
- How to structure a project to attract financing and mitigate risks

15:45 – 16:15

Networking coffee break

16:15 – 17:00

Getting to know the neighbor: Learning from the experiences of the Turkish wind market

- Overview of the Turkish wind market
- Experiences of international best practice
- How have support mechanisms for wind boosted the market?
- Opportunities for collaboration, partnerships and knowledge sharing
- Can Turkish developers help bring financing to the Iranian market?

17:00 – 18:00

International Experiences and best practices for solar industry development (from Denmark)

- Some experiences of good international companies
- Models of technology development of some developing countries
- Best practices

International Speakers of two developed and developing country, (Denmark and china)
Congress re-joins for final session

STREAM B: Solar energy in Iran – Developing the Iranian Solar PV Market

Iran has over 300 clear and sunny days a year over two thirds of its surface with an average solar irradiation of 5kwh/m2. Whilst in the short-term, policies and ambition favour wind, long-term opportunities for solar are equally ambitious. This stream focusses on the opportunities and challenges for the market.

Schedule 1-2-1 meetings all day long using our easy on-line partnering tool!

08:00 – 09:00

Registration & Networking Breakfast

09:00 – 09:15

Stream Welcome and Chairman's opening remarks

09:15 – 09:45

Unlocking the potential of solar development in Iran

- Identifying potential solar projects across the country
- Comparing Iran's solar potential in a global and regional context
- Siting and orientation for optimal performance
- Forecasting how solar capacity could be expected to develop and understanding key milestones along the way

9:45 – 10:45

Examining the policy and framework in place to promote solar energy development in Iran

- Clarifying feed-in tariff rates: Inflation and exchange rate adjustments and price multiplier
- What policy framework is still needed to encourage more solar power development
- How many licences have been granted for solar? What stage are these projects at?
- FIT Bonus for localization of solar cells and components

Alexandra De Souza, Member of the Executive Committee, British Photovoltaic Association

10:45 – 11:15

Networking coffee break

11:15 – 12:00

Exploring opportunities for distributed grid-tied solar generation in Iran

- Current and future opportunities for distributed solar in isolated communities
- Qualifying the opportunities in grid-tied residential, commercial and industrial
- Are the feed-in tariffs priced right to initiate a power market which encourages distributed solar?

Grid Management Company,

12:00 – 12:45

Debate on production vs assembly: Can a full scale panel manufacturing industry take off in Iran?

Solar technology Roadmap of Iran

- Does Iran have the necessary raw materials access to establish itself as a panel manufacturing base?
- Even if production is possible, who will test the panels?
- Pros and cons of solar panel assembly and production in country
- International partnering: Will international OEMs find value in local manufacturing partnerships?

12:45 – 14:00

Networking lunch

14:45 – 15:45

Evaluating the successes and challenges of financing solar power in Iran

- How to attract financing for Iranian solar projects
- Regional lessons learned: What regional financing sources could be applied in Iran
- Case study: Developing solar power in Iran

Jeremy Crane, CEO, Yellow Door

15:45 – 16:15

Networking coffee break

16:15 – 17:00

International Experiences and best practices for solar industry development (from Germany)

- Some experiences of good international companies
- Models of technology development of some pioneer and developed countries
- Best practices

17:00 – 18:00

International Experiences and best practices for solar industry development (from India)

- Some experiences of good international companies
- Models of technology development of some developing countries
- Best practices

Congress re-joins for final session

organized by:



Stream C1: Waste-to-energy and Biogas

08:00 – 09:00

Registration & Networking Breakfast

09:00 – 09:15

Stream Welcome and Chairman's opening remarks

09:15 – 09:45

Waste-to-energy update: The current and future prospects for biomass and waste-to-energy production in Iran

- Quantities, availability and usability of waste produced for waste-to-energy
- Technologies and advances in waste-to-energy power production
- Clarifying feed-in tariff rates: Inflation and exchange rate adjustments and price multiplier
- FIT Bonus for localization of biomass plants and components
- Are waste-to-energy plants an economic and environmental alternative to waste transfer in the North of Iran?

9:45 – 10:45

The role of municipalities in waste-to-energy

- Understanding the priorities of government at a municipal level for waste-to-energy
- Agricultural waste vs municipal waste
- Analysis of initial municipality lead pilot plants in the country
- Challenges of promoting biofuels

10:45 – 11:15

networking coffee break

11:15 – 12:00

Identifying the challenges and opportunities in biogas and biofuels in Iran

- Understanding the challenges of promoting biofuels in Iran
- Best practices in biomass and how to apply them in Iran

12:00 – 12:45

International experiences of biomass development

- Understanding the challenges of promoting biofuels in Austria,
- Best practices in biomass and how to apply them in Austria,
- Some experiences of good international companies
- Models of technology development of some pioneer countries
- Best practices

A specialist from Austria,

12:45 – 14:00

Networking lunch

Stream C2: Geothermal power in Iran

14:00 – 14:15

Stream Welcome and Chairman's opening remarks

14:15 – 15:00

Uncovering Iran's geothermal power potential: Where do opportunities lie?

- Mapping Iran's sites of geothermal potential
- Understanding the direct and indirect energy potential of these sites
- Analysing the strategies for developing and acquiring Technology and expertise

15:00 – 15:45

Examining the policy and framework in place to promote geothermal power development in Iran

- Clarifying feed-in tariff rates: Inflation and exchange rate adjustments and price multiplier
- What policy framework is still needed to encourage more geothermal power development
- How many licences have been granted for solar? What stage are these projects at?
- FIT Bonus for localization of geothermal plants and components

15:45 – 16:15

Networking coffee break

16:15 – 16:45

International experiences and best practices

- Understanding the design and construction of the plant
 - What challenges do the project's developers face
 - Can this pilot plant be replicated in other areas of geothermal potential in Iran?
- Luca Xodo, Head of Business Development, Exergy ORC
Giuseppe Campaniello, General Manager, Renewem

16:45-17:30

Technology deep dive: How can new technologies help Iran reach its geothermal potential?

- Exploring new and existing technologies and their benefits
- Understanding the returns on investment of new technologies
- Building the right technology partnerships
- International experiences and lessons

Conference re-joins for final session

17:30 – 18:00

Chairman's and hosts' closing remarks and end of Iran Renewable Energy Congress 2016

9

▶ Day 3 Workshops Day



Iran Renewable Energies

Commercial Conference

6th-8th December 2016

Espinas Palace Hotel

Tehran, Iran

Workshops Day	Subject		
Timing	Subject		
9:30 - 13:00	<u>Green Power Workshop</u> Creating bankable projects: Financing and structuring renewable energy projects in Iran	<u>Green Power Workshop</u> Domestic market workshop: Renewable Energy 101 <u>IRREA Workshop</u> "Doing business in Iran": Navigating the cultural, political & legal landscape and the renewable energy business environment	<u>IRREA Workshop</u> Environmental Workshop Opportunities
13:00 – 14:00	Networking Lunch		
14:00 – 17:30	<u>IRREA Workshop</u> Constructing a renewable power plant in Iran- Investigating a case study <ul style="list-style-type: none"> ▪ Administrative challenges ▪ Procedure of registering and licensing renewable projects in Iran 	<u>Green Power Workshop</u> Domestic market workshop: Renewable Energy 101	<u>IRREA Workshop</u> Domestic Environmental laws and standards Workshop
17:30 – 18:00	Congress re-joins for final session Chairman's and ministers' closing remarks and end of Iran Renewable Energy Commercial Congress 2016		

▶ Registration & Prices

● International delegates

Start Date	27-Aug	31-Oct	04-Dec
Finish Date	30-Oct	03-Dec	07-Dec
Four Day Pass (include visit day)	€ 2,199	€ 2,399	€ 2,599
Three Day Pass	€ 1,999	€ 2,299	€ 2,499
Two Day Pass	€ 1,599	€ 1,799	€ 1,999
Workshop Day only	€ 799	€ 899	€ 999

● Domestic delegates

Start Date	27-Aug	31-Oct	04-Dec
Finish Date	30-Oct	03-Dec	07-Dec
Four Day Pass (include visit day)	€ 600	€ 700	€ 750
Three Day Pass	€ 450	€ 500	€ 600
Two Day Pass	€ 300	€ 400	€ 450
Workshop Day only	€ 100	€ 125	€ 150

Note: A 20% discount will be provided for the Association's members.

<http://en.irrea.ir/conference-home/>

▶ FAQs:

1. Accommodation:

In order to assist the participants in planning their trips, Iran Renewable Energy Association has made some arrangements with Espinas Palace Hotel (Venue of the conference), Persian Esteghlal international Hotel and Parsian Azadi Hotel.

While participants are under no obligation to book these hotels, they should book through our team, should they choose any of the above hotels.

2. Visa:

Holders of normal passports travelling as tourists can obtain a visa on arrival for a maximum stay of 30 days at Imam Khomeini International Airport.

This facility is not available for nationals of Afghanistan, Bangladesh, Canada, Colombia, India, Iraq, Jordan, Pakistan, United Kingdom and United States. These nationalities are required to apply for an Iranian visa at an Iranian embassy/consulate prior to their arrival in Iran.

The Association has arranged a team to facilitate Visas for these nationalities.

3. Flights:

Many international carriers fly to Iran either directly or indirectly (via popular hubs such as Dubai and Istanbul). Most flights are to Imam Khomeini International Airport which is a 45 minute taxi ride from the city centre.

4. Currency and credit cards:

The national currency is the Iranian Rial. Debit and credit cards will not work in Iran. There are no cash machines that accept international banks cards. Travellers' cheques are also very difficult to change. Most hotels and all banks are able to change international currencies (\$US an Euros are best) so you should bring enough cash with you.

Please download the Accommodation Form from our Website and send the completed Form to Parisamohamadi@irrea.ir

Contact Person:

Parisa Mohammadi
Telefax: (+98) 21-6606-3148
Cell Phone: (+98)901-1919-356
Skype ID: parisa.mohammadi64



Iran Renewable Energies Commercial Conference

6th-8th December 2016
Espinas Palace Hotel
Tehran, Iran



▶ Contact us:

Sponsorship Sales Director:

Maryam Shafiei
Phone: (+98) 9332887230
Skype: maryam.shafiei3
Email: m.shafiei@irrea.ir

Delegate Sales Director:

Elnaz Asadollahi
Email: e.asadollahi@irrea.ir
phone Number: (+98) 9359556909
Skype ID: e_asadollahii@yahoo.com

Operations and Logistics Director:

Parisa Mohammadi
Email: parisamohamadi@irrea.ir
Telefax: (+98) 21-6606-3148
phone Number: (+98) 9011919356
Skype ID: parisa.mohammadi64

<http://en.irrea.ir/conference-home/>



انجمن انرژی های تجدیدپذیر ایران

Iran Renewable Energy Association



green power

events | community | insight

No 1, Amozadeh Alley, shahid teymori Blv, Yadegare Imam highway, Tehran, Iran

Tel/fax: +98 21 66063148

Email: info@irrea.ir

website: <http://en.irrea.ir/conference-home/>