

CNEXT STAGE

Future From Fukushima

# Variety of events that lead directly to industry-academia-government collaboration and business

The largest regional exhibition which is specializing for the renewable energy industries.

The largest scale event ever!

- Seminars
- Examples of advanced technologies from companies and research institutes in Japan and overseas
- Introduction of the latest trends in the renewable energy industry by renowned lecturers
- ◆ Matching support ◆ Manufacturers' trade exchange ◆ Exhibitor's presentation
- ◆ Field trip
- Fukushima Renewable Energy Institute (FREA) National Institute of Advanced Industrial Science and Technology (AIST)
- Fukushima Airport Solar Park (Exhibition and evaluation of 30 panels and stands by 10 countries/regions)

# Report of the 4<sup>th</sup> Renewable **Energy Industrial Fair 2015**

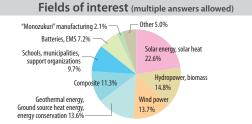
Scale of exhibition / visitors

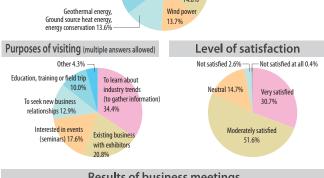
## ■ Number of exhibitors 176 companies/groups in 282 booths

1st year: 134 companies/groups in 217 booths, 2nd year: 153 companies/groups in 262 booths 3<sup>rd</sup> year: 170 companies/groups in 285 booths

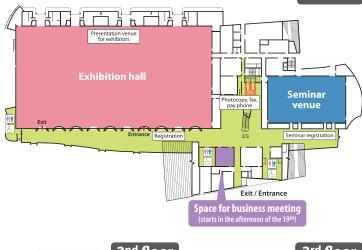
■ Number of visitors

Total: 6,369 people 1st year: 4,149, 2nd year: 5,590, 3rd year: 6,080

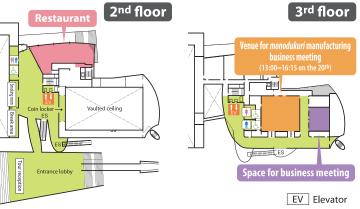




11,705 cases 66.5 cases per group



1st floor



ES Escalator **Exhibition** 

**Seminars** 

**Revival of Fukushima** 

**Events** 

Renewable Energy Industrial Fair 2016

REIF Fukushima 20

Renewable

**Energy** 

Fair

Industrial

# October

The 5th

**Big Palette Fukushima** 2-52 Minami, Korivama, Fukushima 963-0115

http://reif-fukushima.jp/

REIF Fukushima Search

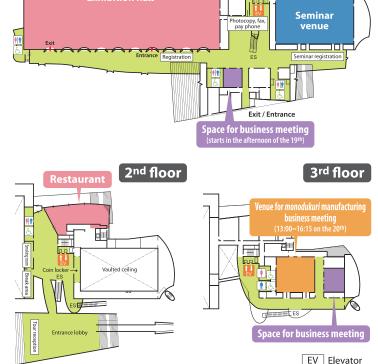
**Admission** 

is free

## Organizer: Fukushima Prefectural Government, Fukushima Center for Industrial Promotion

Sponsors: Reconstruction Agency; Ministry of Foreign Affairs; Ministry of Education, Culture, Sports, Science and Technology; Ministry of Economy, Trade and Industry; Ministry of Agriculture, Forestry and Fisheries; Ministry of the Envi National Institute of Advanced Industrial Science and Technology, Japan Science and Technology Agency, New Energy and Industrial Technology Development Organization; Japan External Trade Organization; Organization for Small & Medium Enterprises and Regional Innovation Tohoku; Japan Finance Corporation, Fukushima Branch; National Association of Trade Promotion for Small and Medium Enterprises; Energy Conservation Center, Japan; New Energy Foundation Japan Wind Power Association; Japan Photovoltaic Energy Association; Photovoltaic Power Generation Technology Research Association; Japan Electrical Construction Association; Japan Prefabricated Construction Suppliers & Manufacturen Association; Tohoku Economic Federation; Fukushima Association of City Mayors; Fukushima Association of Towns & Villages; Citizens Conference on Eco-friendly Fukushima; Fukushima Association of Invention and Innovation; Koriyama Area Technopolis Promotion Organization; Koriyama Convention Bureau; Intelligent Cosmos Research Institute; Fukushima Electronic Industries Association; Fukushima Chamber of Commerce and Industry Federation; Fukushima Federation of Societies of Commerce and Industry; Fukushima Federation of Small Business Association of Small Business Entrepreneurs; Fukushima Employers' Association; Credit Guarantee Corporation of Fukushima; Fukushima Fukushima Bankers Association; Industry Association of Fukushima; Fukushima University; Aizu University; College of Engineering, Nihon University; Iwaki Meisei University; Fukushima National College of Technology; Nikkei Inc., Fukushima Branch Office Nikkan Kogyo Shimbun, Fukushima Branch Office; Fukushima Minpo; Fukushima Minpo; Fukushima Telecasting; Fukushima Central Television; Fukushima Broadcasting; TV-U Fukushima

# Results of business meetings \*Total number of business cards exchanged, requests for information materials, provisional agre





## Fukushima Center for Industrial Promotion, Technical Support Section

Fukushima High-tech Plaza 1-12 Machiikedai, Koriyama, Fukushima 963-0215 Phone: 024-959-1961 E-mail: reif-fukushima@f-open.or.jp







• November 19 (Sat): Robot Festa Fukushima 2016 • November 25 (Fri) to 26 (Sat): Medical Creation Fukushima 2016

F-29 A-23 Entrance Entrance truss arch sign other -7 C-13 Related shima Midori / Energia **Exhibition guide map** booths groups, 291 H-11
H-12
H-13
Eukushima
Computer
System

Provides opportunities for companies and groups in related industries to share technologies, information and engage in business meetings, exchanges, and industry-academia-government collaboration.

## ■ Seminars

Octobe (Wed)

Octobe

20

(Thu)

## 10:45 – 12:00 Convention Hall (1F)

## **Opening seminar**

"Let's start the future of renewable energy from Fukushima"

President of the Fukushima Prefecture Renewable Energy Industry Promotion Conference

## "Promoting renewable energy in Fukushima"

### Kazuhisa Adachi

Secretary and Deputy Manager at the Fukushima Renewable Energy Industry Promotion Division

## "Japan's policy for renewable energy promotion and Fukushima new energy communities initiative"

 ${\it Manager\ of\ the\ Policy\ Planning\ Div.\ in\ the\ Energy\ Conservation\ and\ Renewable\ Energy\ Dept.\ at}}$ the Agency for Natural Resources and Energy

## "Together with local communities: JR-EAST Energy Development's renewable energy project"

## Yukito Watanabe

Manager of the Business Development Dept. at JR-EAST Energy Development Co., Ltd.

## "Smart power strips from Fukushima and our efforts to visualize power consumption with the technology"

## Masavuki Hisada

President and CEO of Aizu Laboratory, Inc.

## 13:00 – 14:10 Convention Hall (1F)

## **REIF Keynote Speech**

"Think about the future of Fukushima: Renewable energy and population issues"

Mr. Hirova Masuda, who served as Chairman of the Working Group on Population Decline at the Japan Policy Council, will talk about the future of Fukushima, focusing on renewable energy and population issues. Hirova Masuda

Visiting Professor of the Graduate School of Public Policy at the University

## 10:30 – 12:00 Convention Hall A (1F)

## Seminars for international economic exchange (Part I)

\*Simultaneous interpretation available

1. "Collaboration between NRW, Germany and Fukushima in the field of renewable energy"

## "Fukushima is pursuing collaboration with NRW, Germany"

## Kazufumi Yoshida

Industry Creation Section Manager Commerce, Industry & Labour Dept. of Fukushima Prefecture

"Entrade's technology and its joint project with Fujita construction Industry"

CEO of Entrade Energiesysteme AG

## 2. "Presentations by NRW, Germany"

"An energy shift and a power-to-gas project in NRW, Germany"

"Introduction of eight exhibitors from an advanced region, NRW, Germany"

## Dr. Frank-Michael Baumann

Representative of Energy Agency, NRW

[Company introduction]

Entrade Energiesysteme / 2G Energy / Oeko-Zentrum NRW / GRENOL / Windtest Grevenbroich\* / Multicon\* / KSW Bioenergie\* / GKN Powder Metallurgy\* Companies marked with an asterisk (\*) are first timers. Presentations will be given

15:00 – 17:00 Convention Hall (1F)

Events are

free to

participate in

## **FREA Renewable Energy Seminar**

"For Fukushima to become a pioneer in renewable energy" \* FREA is an acronym for the Fukushima Renewable Energy Institute, AIST.

## 1. "Current status and future of FREA"

## Yoshiro Owadano

Director-General of the Fukushima Renewable Energy Institute National Institute of Advanced Industrial Science and Technology (AIST)

## 2. "Issues in introduction of renewable energy in large amounts and FREA's research strategy"

## Shigeru Niki

Director at the Renewable Energy Research Center National Institute of Advanced Industrial Science and Technology (AIST)

## 3. "Trends in research & development of perovskite solar cells"

## Yuji Yoshida

Deputy Director of the Research Center for Photovoltaics

National Institute of Advanced Industrial Science and Technology (AIST)

## 4. "Development of an ultrahigh-resolution offshore wind atlas for expanding the development of offshore wind power"

## Susumu Shimada

Researcher at the Wind Power Team

Renewable Energy Research Center

National Institute of Advanced Industrial Science and Technology (AIST)

## 5. "Overview and future development of the Smart System Research Facility"

## Kinya Sakanishi

Acting Director-General of the Fukushima Renewable Energy Institute and Manager of the Distributed Power Supply Facility Operation Dept. National Institute of Advanced Industrial Science and Technology (AIST)

## 6. "The latest topics about hydrogen energy technology"

Deputy Director at the Renewable Energy Research Center National Institute of Advanced Industrial Science and Technology (AIST)

13:00 – 14:00 Convention Hall (1F)

## **REIF Special Lecture**

"A trump card in renewal: Geothermal energy will save Japan! Mr. Jin Mayama, author of the NHK Saturday TV drama Hagetaka, will confront Japan's energy issues head-on. The business novel writer will examine the possibility of geotherma

power generation, a clean energy that will change our future. Jin Mayama, novelist

14:50 – 15:40 Convention Hall A (1F)

## Seminar for international economic exchange (Part II)

\*Simultaneous interpretation available

1. "Denmark's challenge to 100% renewable energy: Focusing on approaches to heat supply using biomass"

Senior Commercial Officer, Energy and Environment at the Royal Danish Embassy

2. "Latest trend in renewable energy in Flanders, Belgium"

Dirk De Ruyver Japan Representative at Flanders Investment & Trade

"Production of biogas from agricultural ecosystems and potential utilization of fallow land"

Jan Smis Dranco Project Manager at Organic Waste Systems NV

## ■ Presentation by exhibitors (held on the special stage in the exhibition hall)

Opens	October 19 (Wed)		Opens	October <b>20</b> (Thu)	
0:30	Tohoku Bureau of Economy, Trade and Industry	Invitation of ideas on energy utilization toward solving local issues	10:30	Kogakuin University / Japan Science and Technology Agency (JST)	A matching planner program at Kogakuin University: Advancement in performance of photovoltaic lithium-ion-batterie
1:00	Sanyo Trading Co., Ltd.	Introduction of compact wood pellet gasification cogeneration systems	11:00	Isahaya Electronics Corporation	Introduction of renewable energy, disaster prevention, and the latest power supply systems
1:30	Spanner KK	Spanner compact wood biomass cogeneration: Introduction of examples from hotels to towns	11:30	Japan Small Hydropower Co., Ltd. / CINK Hydro-Energy, k.s.	Introduction of CINK's crossflow turbines
2:00	Smart House	A window on the future of sunlight: Next-generation home automation (tentative)		Kyoei Corporation & SAISEI	Establishment of a small-scale, local-circulation-type biomass power system made in Fukushima
2:30	The University of Edinburgh & Kitashiba Electric Co., Ltd.	Efforts on lightweight permanent magnet generators for wind power generation	12:30	Chiyoda Trading Corporation	Repairing substrate/industrial devices, reducing water cost, pure water and waste water (tentative)
3:00	KMR Co., Ltd.	Connectors that provide power cable connection without crimp tools	13:00	Energia Inc.	Establishment of a new CEMS model by combining renewable energy with ICT & IoT
3:30	Eco-Energy Systems, Inc.	Efforts toward smart agriculture with agricultural underground heat utilization systems	13:30	Hasegawa Kankyo Netsugaku & Shizen Furyoku Hatsuden	Promotion of FIT business that best suits the local situation based on our experience
1:00	ABLYTEK Co., Ltd.	Still profitable at 24 yen! Advantages of agricultural solar sharing systems	14:00	Mitsubishi Electric	Proposal for introducing solar power generation equipment and self-consumption systems
4:30	Kodensya	Case study of measures against transformer excitation inrush current in actual systems	14:30	Freight Farms, Inc.	Urban oasis: Energy-saving urban agriculture from the US as a new trend
5:00	Yuki Corporation	Introduction of Lucia, LED tubes with HZ advanced reflectors	15:00	Shutech Co., Ltd.	Application of atmospheric pressure plasma treatment technology to the medical instrument manufacturing process
5:30	Photovoltaics Inspection Association	Solar power generation systems are entering the era of "after-FIT"	15:30	Kyowa Engineering Consultants Co., Ltd.	Prospects for community resources and micro hydraulic power generation
5-nn	ClassNK	Significance of NK certification in small-sized wind nower generation			