

# The 52<sup>nd</sup> JAIF ANNUAL CONFERENCE

9-10 APRIL 2019  
TOKYO INTERNATIONAL FORUM (HALL B7)  
"Tapping the Full Potential of Nuclear Energy"

**4.9** **tue** Registration starts at 9 : 30

|         |  |
|---------|--|
| 10 : 00 | <b>Opening Session 10 : 00—12 : 00</b>   |
|         | <p>Keynote Addresses</p> <ul style="list-style-type: none"> <li>●Takashi Imai ··· Chairman, Japan Atomic Industrial Forum, Inc. (JAIF)</li> <li>●Hirofumi Takinami ··· Parliamentary Vice-Minister of Economy, Trade and Industry (METI)</li> </ul> <p>Special Presentations</p> <ul style="list-style-type: none"> <li>●Najat Mokhtar ··· Deputy Director General and Head of Department of Nuclear Sciences and Applications, IAEA</li> <li>●Michael Shellenberger ··· Founder and President, Environmental Progress</li> <li>●Kazuto Hongo ··· Professor, Historiographical Institute, The University of Tokyo</li> </ul>   |
| 12 : 00 | <b>Leader Perspective 12 : 00—12 : 30</b>  |
|         | <ul style="list-style-type: none"> <li>●Philippe Knoche ··· CEO, Orano</li> </ul> <p>Break (12 : 30—14 : 00)</p>   |
| 14 : 00 | <b>Session 1 14 : 00—17 : 00</b>   |
|         | <p><b>"Role of Nuclear Power as a Low-Carbon Energy Source"</b></p> <p>Panel Discussion</p> <p>[Moderator]</p> <ul style="list-style-type: none"> <li>●Kenji Yamaji ··· Director-General, Research Institute of Innovative Technology for the Earth (RITE)</li> </ul> <p>[Keynote Presentation]</p> <ul style="list-style-type: none"> <li>●Thelma Krug ··· Vice Chair, Intergovernmental Panel on Climate Change (IPCC)</li> </ul> <p>[Panelists]</p> <ul style="list-style-type: none"> <li>●Thelma Krug (same as above)</li> <li>●Yves Desbazeille ··· Director General, FORATOM</li> <li>●Yukari Takamura ··· Professor, Institute for Future Initiatives The University of Tokyo</li> <li>●Ryoichi Komiyama ··· Associate Professor, Department of Nuclear Engineering and Management, Graduate School of Engineering, The University of Tokyo</li> </ul> |
| 17 : 00 |  |
| 17 : 00 | <b>Reception 17 : 00—19 : 00 (Hall B5)</b>   |
|         | <p>Side Events</p> <ul style="list-style-type: none"> <li>○Traditional Japanese Performance (17 : 00—17 : 15)</li> <li>○Exhibition of Fukushima Products</li> <li>○Exhibition by JAIF Members</li> </ul>   |
| 19 : 00 |  |

**4.10** **wed** Registration starts at 9 : 30  
\* simultaneous interpretation available

|         |   |
|---------|---|
| 10 : 00 | <b>Fukushima Daiichi NPS Report 10 : 00—10 : 30</b>   |
|         | <p><b>"Current State and Challenges at Fukushima Daiichi Nuclear Power Station"</b></p> <ul style="list-style-type: none"> <li>●Akira Ono ··· Managing Executive Officer, President of Fukushima Daiichi Decontamination and Decommissioning Engineering Company (FDEC), Chief Decommissioning Officer (CDO), Tokyo Electric Power Company Holdings, Inc.</li> </ul>  |
| 10 : 30 | <b>Leader Perspective 10 : 30—11 : 00</b>   |
|         | <ul style="list-style-type: none"> <li>●Massimo Garribba ··· Director, Nuclear Energy, Safety and ITER, DG for Energy, European Commission (EC)</li> </ul>  |
| 11 : 00 | <b>Session 2 11 : 00—13 : 00</b>  |
|         | <p><b>"Prospects for Development of Innovative Technology"</b></p> <p>Panel Discussion</p> <p>[Moderator]</p> <ul style="list-style-type: none"> <li>●Henri Paillere ··· Deputy Head, Division of Nuclear Technology Development and Economics (NTE), OECD/NEA</li> </ul> <p>[Panelists]</p> <ul style="list-style-type: none"> <li>●Marilyn Kray ··· Vice President/President-elect, American Nuclear Society (ANS) Vice President, Strategy and Development, Exelon Generation</li> <li>●Gareth Headdock ··· Science &amp; Technology Director, National Nuclear Laboratory (NNL), UK</li> <li>●Petr Zelenov ··· Head of International Communications and Business Development Department, JSC Science and Innovation, Rosatom State Corporation</li> <li>●Daisuke Matsuno ··· Director, Nuclear Energy Policy Planning Division, Ministry of Economy, Trade and Industry (METI)</li> </ul> <p>Break (13 : 00—14 : 30)</p>  |
| 14 : 30 | <b>Session 3 14 : 30—17 : 00</b>  |
|         | <p><b>"Diversity and Possibilities for Nuclear Technology"</b></p> <p>Panel Discussion</p> <p>[Moderator]</p> <ul style="list-style-type: none"> <li>●Masakazu Washio ··· Professor, Department of Applied Physics &amp; Department of Cooperative Major in Nuclear Energy, Faculty of Science and Engineering, Waseda University</li> </ul> <p>[Keynote Presentation]</p> <ul style="list-style-type: none"> <li>●Najat Mokhtar ··· Deputy Director General and Head of Department of Nuclear Sciences and Applications, IAEA</li> </ul> <p>[Panelists]</p> <ul style="list-style-type: none"> <li>●Najat Mokhtar (same as above)</li> <li>●Yasuhiko Kobayashi ··· Director, Department of Radiation-Applied Biology Research, Takasaki Advanced Radiation Research Institute, National Institutes for Quantum and Radiological Science and Technology (QST)</li> <li>●Teiji Nishio ··· Professor, Department of Medical Physics, Graduate School of Medicine, Tokyo Women's Medical University</li> </ul> |
| 17 : 00 |   |

As of 8 Apr. 2019  
\* The programme is subject to change.



JAPAN ATOMIC INDUSTRIAL FORUM, INC.  
<http://www.jaif.or.jp>

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4. 9 tue

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Opening Session 10 : 00—12 : 00



## ■ Keynote Addresses

**Takashi Imai**  
Chairman, Japan Atomic Industrial Forum, Inc. (JAIF)



## ■ Remarks

**Hirofumi Takinami**  
Parliamentary Vice-Minister of Economy, Trade and Industry (METI)



## ■ Special Presentations

**Najat Mokhtar**  
Deputy Director General and  
Head of Department of Nuclear Sciences and Applications, IAEA  
"Nuclear Science and Technology:  
Contributing to the Sustainable Development Goals"



**Michael Shellenberger**  
Founder and President, Environmental Progress  
"Nuclear, Panic & Danger"



**Kazuto Hongo**  
Professor, Historiographical Institute, The University of Tokyo  
"History and Technology in Japan  
— Taking Firearms as an Example —"

Leader Perspective 12 : 00—12 : 30



**Philippe Knoche**  
CEO, Orano  
"French Nuclear Policy and Industry Update"

Break (12 : 30 —14 : 00)

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## Session 1 "Role of Nuclear Power as a Low-Carbon Energy Source" 14 : 00— 17 : 00

In July 2018, Japan's fifth Strategic Energy Plan was issued, showing the nation's direction on nuclear power: that it is an "important base-load power source contributing to the stability of the long-term energy supply-and-demand structure" and "an option for realization of a low-carbon society" on a long-term basis. This session will confirm the long-term value of nuclear energy as a low-carbon power source for the future and consider what is important for the decarbonized and prosperous society in harmony with renewable energy.



### ■ Moderator

#### Kenji Yamaji

Director-General, Research Institute of Innovative Technology for the Earth (RITE)



### ■ Panelists

#### Thelma Krug [Keynote Presentation]

Vice Chair, Intergovernmental Panel on Climate Change (IPCC)  
"The role of nuclear energy in energy system transitions"



#### Yves Desbazeille

Director General, FORATOM

"Nuclear energy & its role in Europe's future energy mix"



#### Yukari Takamura

Professor, Institute for Future Initiatives The University of Tokyo  
"Transformations after the Paris Agreement:  
Nuclear Energy in the Context"



#### Ryoichi Komiyama

Associate Professor, Department of Nuclear Engineering and Management, Graduate School of Engineering, The University of Tokyo  
"Decarbonization of Energy System & the Role of Nuclear"

Reception Tokyo International Forum (HALL B5) 17 : 00—19 : 00/Side Events : Traditional Japanese Performance (17 : 00— 17 : 15) & Exhibition

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Fukushima Daiichi NPS Report 10 : 00—10 : 30



## Akira Ono

Managing Executive Officer, President of Fukushima Daiichi  
Decontamination and Decommissioning Engineering Company (FDEC),  
Chief Decommissioning Officer (CDO), Tokyo Electric Power Company Holdings, Inc.

"Fukushima Daiichi Decontamination and Decommissioning: Current Status and Challenges"

Leader Perspective 10 : 30—11 : 00



## Massimo Garribba

Director, Nuclear Energy, Safety and ITER  
DG for Energy, European Commission (EC)

"The Role of Nuclear Energy in the EU Low-Carbon Future"

Session 2 "Prospects for Development of Innovative Technology" 11 : 00—13 : 00

In order for nuclear power generation to continue its contribution to energy supplies into the future, it must continually deliver technological innovations in accordance with societal needs and environmental changes. There are movements for more international collaboration toward technological innovation. In this session, information will be shared on trends in international cooperation in development of innovative technology, and suggestions will be heard for enhancing Japan's development of innovative nuclear technology.



## Moderator

## Henri Paillere

Deputy Head, Division of Nuclear Technology Development  
and Economics (NTE), OECD/NEA

"Outlook on Advanced Reactor Technologies  
and Their Role in Future Energy Markets"

## Panelists



## Marilyn Kray

Vice President/President-elect, American Nuclear Society (ANS)  
Vice President, Strategy and Development, Exelon Generation  
"Innovating for a Sustainable Nuclear Future"



## Gareth Headdock

Science & Technology Director, National Nuclear Laboratory (NNL), UK  
"Innovation through Collaboration – A UK perspective"



## Petr Zelenov

Head of International Communications  
and Business Development Department,  
JSC Science and Innovation, Rosatom State Corporation  
"International Cooperation for Development  
of Innovative Energy Technologies"



## Daisuke Matsuno

Director, Nuclear Energy Policy Planning Division,  
Ministry of Economy, Trade and Industry (METI)  
"TBA"

Break (13 : 00 —14 : 30)

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## Session 3 "Diversity and Possibilities for Nuclear Technology" 14 : 30—17 : 00

Nuclear technology is used for not only for the generation of electricity, but in thermal applications and uses of radiation. Radiation application is beneficial in many countries in extensive areas of medical care, industry, agriculture and more. In this session, we will share information on the latest trends and technological developments in nuclear technology beyond power generation, and look into some of the further possibilities.



### ■ Moderator

#### Masakazu Washio

Professor, Department of Applied Physics &  
Department of Cooperative Major in Nuclear Energy,  
Faculty of Science and Engineering, Waseda University  
"Applications of Radiation Processing in Japan  
—The History and Future Prospects"



### ■ Panelists

#### Najat Mokhtar [Keynote Presentation]

Deputy Director General and  
Head of Department of Nuclear Sciences and Applications, IAEA  
"Trends in Nuclear Technology:  
Contributing to Well-being and Development Globally"



#### Yasuhiko Kobayashi

Director, Department of Radiation-Applied Biology Research,  
Takasaki Advanced Radiation Research Institute, National Institutes for  
Quantum and Radiological Science and Technology (QST)  
"Radiation Processing in Agriculture: Mutation Breeding,  
Food Irradiation, and Phytosanitary Irradiation"



#### Teiji Nishio

Professor, Department of Medical Physics,  
Graduate School of Medicine, Tokyo Women's Medical University  
"Technology of innovative radiotherapy  
for cancer and medical physics"