

Webinar information by GIF partners

20 July , 2021

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CEM NICE Future

6/3,2021:

[CEM-12: Pathways to Net Zero Emissions with Nuclear Innovation](#)

5/31,2021:

[CEM-12: Flexible Nuclear Campaign for Nuclear-Renewables Integration](#)

5/31,2021:

[CEM-12: Clean Energy and Green Hydrogen for Fuels and Industrial Heat](#)

4/22, 2021:

Youth in Clean Energy Webinar Series Part II:

[“Policy and Financing Lessons: Advancing Energy and Climate Goals with Low Carbon Energy Systems”](#), To watch, [Flyer](#)

4/8, 2021:

Youth in Clean Energy Webinar Series Part I:

[“Roles for Nuclear Power in Low Carbon Energy Systems to Achieve Just and Clean Energy Transitions”](#), To watch, [Flyer](#) (For [Series](#), For [Part I](#))

OECD/NEA

5/31, 2021

[“Digital transformation: Opportunities and challenges for the nuclear sector”](#)

5/21, 2021

[“The challenges and opportunities in financing small modular nuclear reactors”](#)

4/14, 2021:

[“Data Innovations for the Future of Nuclear Safety”](#)

3/16, 2021:

[“Disruptive Technologies for Nuclear Safety Applications: From NI2050 to Disruptive Technologies”](#)

1/14-15, 2021:

[“NEA–IFNEC kick-off workshop: Issues in the financing of nuclear new build”](#)

12/9, 2020:

[“Expert Roundtable: Projected Costs of Generating Electricity”](#)

7/2, 2020

[“Reducing the costs of nuclear power on the path towards a clean energy future”](#)

[IAEA](#)

Scientific Forum

9/22-23, 2020:

[“Scientific Forum 2020: Nuclear Power and the Clean Energy Transition”](#), To watch.

[Department of Nuclear Energy Webinars](#)

6/8, 2021:

[“Factoring Climate Resilience Into the Design of Clean Power Infrastructures”](#)

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:

[Part 4: Other](#)

- Spotlight on Nuclear Microreactors: A High Level Dialogue between Director General Grossi and Secretary Moniz
- Advances in SMR Design and Technology Developments
- How to Operate a Nuclear Reactor: Introductory Webinar on IAEA's Nuclear Reactor Simulators

6/1, 2021:

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:

Part 3: Advanced Nuclear Technologies for 21st Century Solutions

“Webinar 2: Next Generation CANDU Reactors: Goals and Challenges”

5/18, 2021

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:
Part 3: Advanced Nuclear Technologies for 21st Century Solutions
“Webinar 1: Advances in Reactor Technologies for Marine-based Small Modular Reactors”

3/17, 2021

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:
Part 2: Disruptive Trends in Nuclear Technology:
“Webinar 1: [Multiphysics Modelling to Optimize Design and Safety of Advanced Nuclear Reactors](#)”

9/16, 2020:

[“Cutting Emissions for Good: What Role for Nuclear?”](#)

8/27, 2020:

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:
Part 1: Integrated Energy Systems for Electricity Production and Beyond:
“Webinar 4: [Molten Salt Reactors: A Game Changer in the Nuclear Industry](#)”, To watch.

7/22, 2020:

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:
Part 1: Integrated Energy Systems for Electricity Production and Beyond:
“Webinar 3: [Cogeneration: Nuclear Energy Beyond Electricity Production](#)”, To watch.

7/9, 2020:

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century:
Part 1: Integrated Energy Systems for Electricity Production and Beyond:
“Webinar 2: [Small Modular Reactors in Integrated Energy Systems](#)”, To watch.

6/24, 2020:

Webinar Series on Nuclear Technology Breakthroughs for the 21st Century - Part 1:
Part 1: Integrated Energy Systems for Electricity Production and Beyond:
“Webinar 1: [Nuclear-Renewable Integrated Energy Systems: Prospects and Issues](#)”,
To watch.

[WNA \(from 2020.Sept.\)](#)

5/26, 2021

[The role of nuclear beyond electricity](#)

4/30, 2021

[Cooperation for Rosatom's Atoms for Humanity initiative](#)

[Rosatom's Atoms for Humanity initiative](#)

3/18, 2021

[The World Nuclear Association Strategic eForum on Sustainable Finance](#)

9/11, 2020:

Strategic eForum 2020 – High-level Panel 3

[Maximising nuclear energy's socio-economic and environmental benefits](#)

9/10, 2020:

Strategic eForum 2020 – High-level Panel 2

[Driving investment towards nuclear projects](#)

9/9, 2020:

Strategic eForum 2020 – High-level Panel 1

[Building a stronger and cleaner tomorrow with nuclear energy](#)

GIF

[GIF latest webinar](#) (English ver.)

[GIF webinar archive](#) (English ver.)

[For Japanese researchers]

[GIF latest webinar](#) (Japanese ver. From Latest Webinar tab)

[GIF webinar archive](#) (Japanese ver.)

Featured webinar type event

“[Generation IV International Forum: 20th Anniversary Celebration](#)”, April 28, 2021

“[Pitch your Gen IV Research contest](#)”

“[SAMOSAFER Online MSR School](#)”

Publication information by GIF partners

CEM NICE Future

Featured reports

- Pathways to net zero using nuclear innovation
- Flexible Nuclear Energy for Clean Energy Systems
- Breakthroughs: Nuclear innovation in a clean energy system
- Lucid Catalyst: Missing Link to Livable Climate - How Hydrogen-Enabled Synthetic
- Fuels Can Help Deliver the Paris Goals
- Wild Edens Project

OECD/NEA

Featured reports

- Methods for Assessing and Strengthening the Safety Culture of the Regulatory Body, May 2021
- Small Modular Reactors: Challenges and Opportunities, April 2021
- Projected Costs of Generating Electricity - 2020 Edition, December 2020
- Nuclear power and the cost-effective decarbonisation of electricity systems, June 2020
- The Costs of Decarbonisation: System Costs with High Shares of Nuclear and Renewables, January 2019
- The System Costs of Electricity: Reflecting the true costs of decarbonization, January 2019

IAEA

Featured reports

- Limited Scope Sustainability Assessment of Planned Nuclear Energy Systems Based on BN-1200 Fast Reactors, IAEA-TECDOC-1959, IAEA, Vienna (2021).
- Experiences of Member States in Building a Regulatory Framework for the Oversight of New Nuclear Power Plants: Country Case Studies, IAEA-TECDOC-

1948, IAEA, Vienna (2021).

- Experiences of Member States in Building a Regulatory Framework for the Oversight of New Nuclear Power Plants: Country Case Studies, TECDOC No. 1948
- Integrated Nuclear Infrastructure Review (INIR): Ten Years of Lessons Learned, IAEA TECDOC No. 1947
- Integrated Safety Assessment of Nuclear Installations by the Regulatory Body. TECDOC. No. 1940
- Applicability of Design Safety Requirements to Small Modular Reactor Technologies Intended for Near Term Deployment, TECDOC No. 1936
- Reliability Data for Research Reactor Probabilistic Safety Assessment, TECDOC No. 1922
- Application of Plant Information Models to Manage Design Knowledge through the Nuclear Power Plant Life Cycle, TECDOC No. 1919
- Considerations on Performing Integrated Risk Informed Decision Making, TECDOC No. 1909
- Challenges for Coolants in Fast Neutron Spectrum Systems, TECDOC No. 1912
- INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Waste Management, TECDOC No. 1901
- INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Safety of Nuclear Reactors, TECDOC No. 1902
- INPRO Methodology for Sustainability Assessment of Nuclear Energy Systems: Safety of Nuclear Fuel Cycle Facilities, TECDOC No. 1903
- Understanding and Prediction of Thermohydraulic Phenomena Relevant to Supercritical Water Cooled Reactors (SCWRs), TECDOC No. 1900

WNA

[At Work: WNA annual report](#)

Featured policy/white papers

- [Recalibrating risk: Putting nuclear risk in context and perspective](#)
- [The Silent Giant: the need for nuclear in a clean energy system](#)
- [The need for large and small nuclear, today and tomorrow](#)

Featured WG reports

- [Design Maturity and Regulatory Expectations for Small Modular Reactors](#) (CODEL: SMR Task Force and Licensing and Permitting Task Force)
- [Non-Linear Analysis Design Rules: Part 2b: Assessment of Non-Linear Benchmark Results](#) (CODEL: Mechanical Codes and Standards Task Force)

- [I&C Modernization: Current Status and Difficulties](#) (CODEL: Digital Instrumentation and Control Task Force)

Featured Forums

- [World Nuclear Association Symposium 2021](#)
- [World Nuclear Association Strategic eForum on Sustainable Finance](#)
- [4th CORDEL Regional Workshop, Harmonization to support the operation and new build of NPPs including SMRs](#), spring 2022, Lyon, France
- [Other Conferences](#)

GIF

Featured Publications

- [2019 Annual Report](#) (2020 Annual Report is coming soon with References)
- [2018 GIF Symposium](#) (We are planning Forum GIF INDUSTRY 2022)
- [GIF R&D Outlook for Generation IV Nuclear Energy Systems: 2018 Update](#)
- [Handbook of Generation IV Nuclear Reactors, 2016](#) (Presently updating)
- [The High Temperature Gas-Cooled Reactor, 2020](#) (M. Fütterer, et al., Reference Module in Earth Systems and Environmental Sciences, <https://doi.org/10.1016/B978-0-12-409548-9.12205-5>)
- [LFR Safety Design Criteria \(SDC\), 2021](#)
- [Lead-cooled Fast Reactor \(LFR\) System Safety Assessment, 2020](#)
- [Sodium Fast Reactor: Safety Design Guidelines on Safety Approach and Design Conditions \(SA SDG\), 2020](#)
- An Update of the GIF Proliferation Resistance and Physical Protection White Papers for the Six Gen IV Systems, 2019 (Cipiti, B. et al, 9th INMM/ESARDA/INMMJ Joint Workshop. See PRPPWG-BIBLIOGRAPHY Rev. 8 April 2021)
- The GIF Proliferation Resistance and Physical Protection methodology applied to GEN IV system designs, 2019 (Cheng, L. et al., ESARDA'19: ESARDA Symposium 2019 - 41st Annual Meeting See PRPPWG-BIBLIOGRAPHY Rev. 8 April 2021)
- [NICE Future Initiative/ Flexible Nuclear Energy for Clean Energy Systems, Chapter 13: Generation IV International Forum: Delivering Next-Generation Nuclear Systems, 2020](#)
- [Impact of Increasing Share of Renewables on the Deployment of Generation](#)

[IV Nuclear Systems, 2018](#)

- [GIF workshop on R&D Infrastructures needs and opportunities, 2020](#)
- [R&D Infrastructure Task Force Final Report, 2021](#)

Events to contribute

- 15th GIF-IAEA interface meeting, 29-30 June, (virtual, 14:30 CET/Vienna) succeeding [14th](#)
- [OECD/NEA CNRA WGSAR](#)
- [FR22](#), in Beijing to 25-28 April 2022
- 10th [HTR Conference 2021](#), virtual on 2-5 June 2021