

# 4<sup>th</sup> GIF Symposium

16-17 October 2018

at the 8<sup>th</sup> edition of  
**Atoms for the Future**

UIC Paris, France



**T**he Generation IV International Forum (GIF) is a co-operative international endeavour that was set up to carry out the research and development needed to establish the feasibility and performance capabilities of the next generation of nuclear energy systems.

The Generation IV International Forum has fourteen members that are signatories of its founding document, the GIF Charter. The goals adopted by GIF provided the basis for identifying and selecting six nuclear energy systems for further development. The selected systems are based on a variety of reactor, energy conversion and fuel cycle technologies. Their designs include thermal and fast neutron spectra cores, as well as closed and open fuel cycles. The reactors range in size from very small to very large. Depending on their respective degree of technical maturity, the first GEN IV systems are expected to be deployed commercially around 2030-2040.

The GIF Symposia are public scientific events aimed at disseminating the results of international collaborative research performed within the framework of the Forum. The first GIF Symposium was held in Paris, France in 2009, the second in San Diego, United States in 2012 and the third in Chiba, Japan in 2015.

The Fourth GIF Symposium is designed to inform and educate audiences beyond the GIF community. Its objective is to report the achievements of the Forum in developing nuclear energy systems that are aligned with today's global sustainable development goals. In particular, the Fourth GIF Symposium will outline a credible GIF path towards achieving the goals of the updated GIF R&D Roadmap leading to demonstration and deployment of innovative nuclear energy systems that would establish nuclear energy as a valuable part of the global, long-term sustainable carbon-free energy mix.

The target audience is MSc and PhD students, young professionals, policy makers and nuclear stakeholders. The following topics will be addressed:

- The current development status of the six GEN IV reactor systems;
- The enhanced safety, security and safeguard capabilities inherent in GEN IV reactor systems;
- Mechanisms for accelerating advanced reactor deployment;
- Economic considerations affecting investment in GEN IV reactor systems.

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The Fourth GIF Symposium will take place at the UIC Espace Congrès  
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