

Session Title: Innovations in Nuclear Energy

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Abstract Title: Development of Innovative Nuclear Energy Systems

Nuclear energy can be utilized not only in power generation but also in heat source and hydrogen production. And, its next generation (Generation-IV) system has advantages in effective use of uranium and reduction of potential toxicity of radioactive waste and has issues on cost competitiveness and harmonization with renewable energy utilization.

With the target of its deployment in the latter half of this century, Generation-IV system development is being carried out in Japan. In this context NEXIP project has been launched to support private sectors developing safe and economical innovative nuclear systems.