

# Third International Conference on Human Resource Development for Nuclear Power Programmes: Meeting Challenges to Ensure the Future Nuclear Workforce Capability



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## Enhancing the Nuclear Safety and Security for Implementing the Nuclear Power Program

Several Regulations, Conventions, Fundamentals and Recommendations have been establishing since the creation of the International Atomic Energy Agency aimed firstly to enhance at the international level the safety and the security of nuclear and radiological materials as well as the associated nuclear facility. Moreover, different legal instruments exists for cosmopolitan nuclear Safety and Security which should to be ratified by the state and became as legally binding in order to be integrated in the development of state's National Regulation. Through This pertinent instruments related to the both Safety and Security are : • For Safety : ☒ Convention on nuclear Safety ; ☒ Joint convention on the Safety of spent Fuel management and on the Safety of radioactive Waste Management ; ☒ Code of conduct on the Safety of Research Reactors. • For Security : ☒ Convention on the Physical Protection of Nuclear Material (CPPNM) and its Amendement ; ☒ International convention for the Suppression of Acts of Nuclear Terrorism ; ☒ United Nations Security Council Resolution 1540 and 1373. However, nowadays the developement of several activities related to the use of nuclear energy in peaceful use is becoming necessary for state Wh provides an equivalence between maintaining provides an equivalence between maintaining of the legislative and regulatory Framework and the designation of an intelligent national regulatory Authority in order to enhance the Safety and the Security for nuclear power plant and associated facility. In addition the Nuclear Safety and Security is considered as necessary concerns as a big challenges facing the international and national community especially after daichi's disaster on 11 March 2011, the Nuclear Safety is returned to the world conversations as the Nuclear Security which the two concept have the same objectif is to protect the people and the environment against harmful ionizing radiation.

### Summary

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• For Security :

☒ Convention on the Physical Protection of Nuclear Material (CPPNM) and its Amendement ;

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facility.

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Furthermore, in this paper proposed we will highlight to examine the safety and security interfaces for enhancing Safety and security for implimenting the nuclear power programme with descussion the role and responsibility for the state , the authority regulatory and the operator for keeping the safety and security for nuclear power programme and the role of the nuclear safety and security education for the sustainability of the safety and the security.

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