

## WORLD NUCLEAR ENERGY DAY 2024

Malaysian Nuclear Society (MNS)



World Nuclear Energy Day was celebrated on 2 December to commemorate the first anniversary of Fermi's self-sustaining chain reaction and the start-up of the first nuclear reactor named the Chicago Pile-1 on December 2, 1942, as well as the first commercial-sized power reactor in Shippingport, Pennsylvania December 2, 1957 15 year later. 82 years on, the reliable nuclear power generation contributed to a country's energy security in reducing dependence on fossil fuels. Operating nuclear plants requires a highly trained workforce with expertise in engineering, physics, and safety protocols, which can benefit other industries. The spillover from the nuclear power industry into technological advancements and skilled workforce development that can benefit other industries. Technological advancements such research and development in nuclear power have led to innovations in other fields like medicine, materials science, and radiation detection.

In conjunction of World Nuclear Energy Day 2024, Malaysian Nuclear Society (MNS) and Institute of Nuclear Energy, Universiti Tenaga Nasional (UNITEN) have taken the initiative to organised a public talk to commemorate this event on 2 December 2024 at UNITEN Putrajaya Campus. Invited to give the talks are 4 speakers, namely on “Sustainability of Nuclear Education and Training” by Dr Mohd Idzat Idris of UKM, “Basic Conceptual Design of Radioactive Waste Disposal” by Ts Razali Harun REM Consult, “Nuclear Energy for the Future - HTGR” by Mr Boran of China National Nuclear Corporation Overseas (CNNC) and “India’s 3 Stage Nuclear Energy Program” by SM Mahajan of India.

Presenter giving talks at World Nuclear Energy Day 2025 in UNITEN (below).



Assoc Prof Dr Mohd Idzat of UKM



Ts Razali Harun of REM Consult



Among the participants of the public talk of World Nuclear Energy Day 2024 at UNITEN.



The public talk of World Nuclear Energy Day on 2 Dec 2024 at Admin Building UNITEN.