

**INTERNATIONAL NUCLEAR SCIENCE, TECHNOLOGY AND ENGINEERING
CONFERENCE (iNuSTEC2024)**

DAY 1: MONDAY, 14th October 2024

Morning Session

08:30	Arrival of Participants and Guests Registration Breakfast	
		SESSION 1: Chairman: Azraf Azman, Nuklear Malaysia
P01	9:00 9:40	Keynote 1: SMR Siting Consideration Dr. Rahman Yaccup Agensi Nuklear Malaysia
P02	9:40 10:30	Keynote 2: Coal to Nuclear (C2N) Initiative Prof. (Adj.) Ir. Ts. Dr. Shamsul Amri Sulaiman Tenaga Nasional Berhad
OPENING CEREMONY		
10:30 11:00	Welcoming Remarks & Officiating Speech by AP Dr. Abdul Aziz Mohamed President of MNS	
11:00 11:30	Photo Session Poster Session Coffee Break Business Networking	

		SESSION 2: Science and Engineering I Chairman: Dr. Muhammad Arif Sazali, UTM
P03	11:30- 11:50	A Review on Unmanned Ground Vehicle Architecture for Radiation or Nuclear Safety and Security Applications <u>Nur Aira Abd Rahman</u>
P04	11:50- 12:10	Net Zero Emissions 2050: Nuclear power is a Valid and Sensible Option for Reliable and Sustainable Electricity Generation. <u>Alif Imran Mohd Shuhaimi</u> , Mohd Syukri Yahya and Shamsul Amri Sulaiman
P05	12.10 - 12:30	Sustaining Cyber and ICT Security Preparedness Through Disaster Recovery Testing and Simulations <u>Amy Hamijah Ab. Hamid</u> , Siti Nurbahyah Hamdan, Mohamad Safuan Sulaiman, Norzalina Nasirudin, Mohd. Hasnor Hasan, Saa'idi Ismail, Mohd Dzul Aiman Aslan, Raja Murzaferi Raja Moktar, Khairiel Adyani Abd. Ghani, Mohd. Amin Abdullah, Radhiah Jamalludin, Noor Fatin Shuhada Ab. Hamida, Hanizan Zainona, Mohammad Fazli Rahmat Isab, Sufian Norazam Mohamed Aris, Mohd Faizul Zakaria, Mohamad Rashidi Abd Aziz, Siti Farizawaty Sopian, Azlinawati Husain, Shukri Mohd and Muhammad Rawi Mohamed Zain
P06	12:30 – 12:50	SAXS: Efficient Tool for Graphene Characterization <u>Hafizal Yazid</u>
	12:50- 14:15	Poster Session Lunch Business Networking

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Afternoon Session

		SESSION 3: Materials and Sustainability Chairman: Dr. Hafizal Yazid, Nuklear Malaysia
P07	14:15-14:35	Optimizing EDXRF Methods for Accurate Gold Alloy Purity Assessment <u>Adlan Akram Mohamad Mazuki</u> , Mohd Muzamir Mahat, Saifullah Abdullah, Rosmamuhamadani Ramli
P08	14:35-15:05	<i>Special keynote (recorded)</i> Penguasaan Teknologi Nuklear Memperkasa Ekonomi Negara Yang Amat Berbahagia Tun Dr. Mahathir Mohamad Former Prime Minister of Malaysia & Honorary President Perdana Leadership Foundation
P09	15:05-15:25	Characterization of Polyvinyl Alcohol Dosimeter Based on Silver Nitrate and Silver bromide using UV-Vis Spectrophotometer <u>Mohd Zufadli Adenan</u>
P10	15:25-15:45	A Preliminary Study of Cellulose Nano Fibrils Incorporating Metal Oxide Nanoparticles in Enhancing Ceramic Composite for Potential Non-Toxic Radiation Shielding Materials <u>Seyedfaezeh Safavisohi</u>
		SESSION 4: Chairman: Prof. (Adj.) Ir. Ts. Dr. Shamsul Amri Sulaiman
P11	15:45-16:20	Keynote 3: Teleconference IAEA's Strategic Blueprint for Next-Gen Small Modular Reactors (SMRs) Hadid M. Subki IAEA
P12	16:20-17:00	Keynote 4: Teleconference Technologies for RWM Dr. Norasalwa Zakaria IAEA
	17:00	Coffee Break Conference Adjourn