

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

DAY 1: Monday, 14th October 2024

Morning Session

08:15	Registration Arrival of Participants and Guests
9:00 10:30	SESSION 1: Chairman: TBA
P01	<p align="center">Keynote 1: SMR siting consideration</p> <p align="center">Dr Rahman Bin Yaccup Agensi Nuklear Malaysia</p>
9:00 9:40	
P02	<p align="center">Keynote 2: Coal to Nuclear (C2N) Initiative</p> <p align="center">Prof. (Adj.) Ir. Ts. Dr. Shamsul Amri bin Sulaiman Tenaga Nasional Berhad</p>
9:40 10:30	
OPENING CEREMONY	
10:30 10:40	<p align="center">Welcoming Remarks by President of MNS, AP DR. ABDUL AZIZ MOHAMED</p>
10:40 11:10	<p align="center">Officiating Speech by YB TUAN CHANG LIH KANG (TBC) Menteri Sains, Teknologi dan Inovasi (MOSTI)</p>
11:10 -11:20	Exchange of Gifts
11:20 11:50	<p align="center">Photo Session Visit Exhibition Booths Press conference Tea break</p>

11:50 12:50		SESSION 2: Science and Engineering I Chairman:
P03	11:50- 12:10	A Comprehensive Review of Commercial Unmanned Ground Vehicles (UGVs) for Effective Radiation Detection and Mapping <u>Muhammad Izzuan Mohd Ghazali</u> , Nur Aira Abd Rahman, Nor Arymaswati Abdullah, Noor Farhana Husna A.Aziz, Nabilah Ramli, Mohd Shafiq Sazali
P04	12.10 - 12:30	Enhancing Cyber And Information Security Preparedness Through Recovery Testing And Validation 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, Radhiah Jamalludin, Sufian Norazam Mohamed Aris, Mohd Faizul Zakaria, Mohamad Rashidi Abd Aziz, Siti Farizawaty Sopian, Azlinawati Husain, Shukri Mohd and Muhammad Rawi Mohamed Zain
P05	12:30 -12:50	Noise Analysis And Database Development For The Control Rod Drive Motor Of The Reaktor TRIGA PUSPATI (RTP) <u>Mohamad Amirudin Mohamd Rosli</u> , Ahmad Nabil Ab Rahim, Muhammad Zulhelmi Mahadi, Khairul Anwar Bapujee, Ridzuan Abd Mutalib, Julia Abdul Karim
P06	12:30-12:50	A Review on Unmanned Ground Vehicle Architecture for Radiation or Nuclear Safety and Security Applications <u>Nur Aira Abd Rahman</u>
12:50-14:15		Lunch Poster, Exhibition & Business Networking Session

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Afternoon Session

14:15 16:50		SESSION 3: Session 3: Materials and Sustainability Chairman:
P07	14:15- 14:35	SAXS: Efficient tool for graphene characterization <u>Hafizal Yazid</u>
P08	14:35- 14:55	Optimizing EDXRF Methods for Accurate Gold Alloy Purity Assessment <u>Adlan Akram Mohamad Mazuki</u> , Mohd Muzamir Mahat, Saifullah Abdullah, Rosmamuhamadani Ramli
P09	14:55- 15:15	Characterization of polyvinyl alcohol dosimeter based on silver nitrate and silver bromide using UV-Vis spectrophotometer <u>Mohd Zulfadli bin Adenan</u>
P08	15:15- 15:35	P08A: 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
P9	15:35 16:15	Keynote 3: Teleconference IAEA's Strategic Blueprint for Next-Gen Small Modular Reactors (SMRs) Hadid M. Subki IAEA
P10	16:15- 16:55	Keynote 4: Teleconference Technologies for RWM Dr Norasalwa Zakaria IAEA
	16:55	Tea Break & Conference Adjourn