



OFFICIATING SPEECH

BY

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DIRECTOR GENERAL
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AT THE

**REGIONAL TRAINING COURSE ON “COMPUTATIONAL
FLUID DYNAMICS (CFD) FOR INDUSTRIAL PROCESS
FLOW MODELLING AND SIMULATION”**

OCTOBER 3-7, 2022

EVERLY HOTEL, PUTRAJAYA

Thank you saudara Pengerusi Majlis,

[SALUTATION]

- 1. Dr. Shukri bin Mohd**
Director of Commercialisation Division,
Malaysian Nuclear Agency

- 2. Dr. Faridah binti Mohamad Idris**
Director of Planning & Internasional Relation Division
Malaysian Nuclear Agency

- 3. Dr. Gerardo Maghella Seminario,**
Technical Officer,
International Atomic Energy Agency (IAEA)

- 4. Mr Ariff Asyraf,**
CFD Expert from PETRONAS Research Sdn Bhd (PRSB)

- 6. Participants of the IAEA Regional Training Course**

- 7. Distiguished Guests**

- 8. Organising commitee**

- 9. Ladies and Gentlemen,**

1. Assalamualaikum warahmatullahiwabarakatuh, Salam Sejahtera and a very good morning. It is my pleasure to welcome you to this auspicious occasion. It is both an honor and a great pleasure for me to join you here today and let me extend my heartfelt congratulations to the International Atomic Energy Agency (IAEA) and Organizing Committee of the Regional Training Course from Malaysian Nuclear Agency for hosting and organizing the **Regional Training Course on “Computational Fluid Dynamics (CFD) for Industrial Process Flow Modelling and Simulation”** which is held from October 3rd to 7th 2022 in Everly Hotel, Putrajaya.
2. On behalf of Malaysian Nuclear Agency, Ministry of Science, Technology and Innovation (MOSTI), it is my pleasure to extend a warm welcome to distinguished speakers and fellow delegates from both local and international that signifies the high importance of this event. Indeed, the government through collaborative efforts with IAEA and its strategic partnership has continued their eminent roles in positioning Malaysia as a resource-rich, dynamic, emerging market and a platform for the industrial players domestically and internationally.

Ladies and Gentlemen,

3. As we all know, Radioisotope techniques or Radiotracer Technology for troubleshooting and optimizing industrial processes has been promoted by IAEA to its Member States for the last 50 years. Malaysia, in particular, has planned to reinforce the human capital team of radiotracer so that any diagnostic and troubleshooting of processed plants can be carried out when there is prompt request from industries. However, the industrial players are very skeptical in allowing injection of the radioactive source inside their plant and their responds are really slowing down the utilization of radiotracer technology especially in oil & gas, petrochemical, mineral and processing industries.

4. Therefore, the hybrid of Computational Fluid Dynamics (CFD) simulation and Radiotracer Technology will provide them with pictorial images and ideas on the hydrodynamics behaviour of their opaque plants as well as the radiotracer whereabouts.

5. Due to the aforementioned reason, The International Atomic Energy Agency and Malaysian Nuclear Agency has come out with the initiative to host the **Regional Training Course on “Computational Fluid Dynamics (CFD) for Industrial Process Flow Modelling and Simulation”** which is organized under IAEA TC Project RAS 1030 entitled **“Using Radioisotope Techniques and Computational Fluid Dynamics Simulation for Troubleshooting and Optimizing of Industrial Processes”**. The purpose of the training course is to provide participants with an overview of Computational Fluid Dynamics (CFD) modelling and introduce them to the fundamentals and first principles of CFD as applied to industrial flow modelling.

Ladies and Gentlemen,

6. I wish to congratulate, Dr. Noraishah Othman, the Course Director and her outstanding organizing committee for successfully organizing the Regional Training Course as well as Dr. GERARDO MAGHELLA SEMINARIO from IAEA and team for continuously support this effort. It is my sincere hope that this training course will raise awareness and serve as an eye opener on the importance of

integrating CFD simulation with Radiotracer Technology. I also hope the outputs obtained through various studies and presented during this five (5) days training course would shed some light on the challenges as well as opportunities related to industrial development transformation and in aligned with Industrial Revolution IR 4.0. Indeed, this training course will broaden our knowledge and inspire us to looking forward and continuously contribute to the betterment of our radioisotope technology.

7. Before I conclude, once again, I would like to congratulate and take this opportunity to thank the organizers, participants, and all parties who have work relentlessly in ensuring the success of this event and I wish that the benefits fostered in this event would not end here but will flourish into positive rewards in your respective fields and countries. This collaborative effort, I must say, is very commendable and should be continued in future. Well done and SYABAS to all participants, thank you for committing your time and energy towards this training course. I wish you the best and a fruitfull discussion. I am looking forward to hear the results and resolutions of this

training. May all of you experience the most wonderful time during your stay in Malaysia.

8. On the note, it gives me great pleasure to officiate the **Regional Training Course on “Computational Fluid Dynamics (CFD) for Industrial Process Flow Modelling and Simulation”**.

Thank you.