

A Training Course on Computational Advances in Nuclear Reactor Design: Neutronics and Thermal Hydraulics Aspects

22-24 April, 2024

PIEAS-IAEA Collaborating Centre *Introduction*

Pakistan Institute of Engineering and Applied Sciences (PIEAS) stands as the pre-eminent university in Pakistan. Established in 1967, PIEAS has evolved into a distinguished institution renowned for its commitment to fostering the advanced education, cutting-edge research, and technological innovation, particularly in the field of nuclear science and technology. Since 2019, PIEAS has been designated as the IAEA Collaborating Center on *Research, Development, and Capacity Building for Multidisciplinary Applications of Advanced and Innovative Nuclear Technologies*. In its capacity as a collaborating center of the IAEA, PIEAS organizes training courses, workshops, webinars, and colloquiums to disseminate knowledge and develop local human resources.

Course Objectives

- *To impart a comprehensive understanding of advanced nuclear reactors, ensuring participants gain insights into their design principles.*
- *To familiarize participants with state-of-the-art computational methodologies employed for the analysis and design of nuclear reactors, encompassing both neutronics and thermal hydraulics simulations.*
- *To contribute to the development of local human resources by providing participants with practical insights, and cutting-edge knowledge in the field of nuclear science and technology.*



Patron In Chief

- **Dr. Raja Ali Raza Anwar, HI, SI
Chairman PAEC**

Patrons

- **Mr. Khalid Bin Sagheer, PoP
Member (Systems), PAEC**
- **Mr. Abrar Ali, PoP
Member (Engineering), PAEC**
- **Dr. Naseem Irfan, Rector PIEAS**

Speakers

- **Dr. Tatjana Jevremovic, IAEA**
- **Dr. Hadid Subki, IAEA**
- **Dr. Gao Puzhen, Harbin
Engineering University, China**
- **Dr. Li Lei, Harbin Engineering
University, China**
- **Dr. Yonghee Kim, KAIST,
Republic of Korea**
- **Dr. Muhammad Zubair, University
of Sharjah, UAE**
- **Dr. Muhammad Ilyas, PIEAS**
- **Dr. Inamul Haq, PIEAS**
- **Dr. Haseeb ur Rehman, PIEAS**
- **Dr. Muhammad Sohail, PIEAS**
- **Mr. Daniyal Nauman, PINSTECH**

Department of Nuclear Engineering

**Pakistan Institute of Engineering and Applied
Sciences (PIEAS)**

Registration Deadline: 17 April, 2024

Organizing Committee

- Dr. Aman ur Rehman, DCS, PIEAS
- Dr. Masroor Ahmad, DCS, PIEAS
- Dr. Muhammad Ilyas, DCS, PIEAS
- Dr. Inamul Haq, PE, PIEAS
- Dr. Khalid Waheed, PE, PIEAS
- Dr. Muhammad Sohail, PS, PIEAS
- Dr. Haseeb ur Rehman, PE, PIEAS
- Dr. Amjad Farooq, PE, PIEAS
- Mr. Waqar Riaz, SE, PIEAS
- Mr. Ahsan Kaleem, SE, PIEAS
- Mr. Muhammad Ishfaq, JE, PIEAS
- Mr. Ali Arshad, JE, PIEAS

Please send the completed forms to
Dr Haseeb ur Rehman, PE, DNE, PIEAS
Email: haseeburrehman@pieas.edu.pk
Tel: 051 9593717
Fax: 051 9248600

Application No: _____
(For official use only)



Name: _____
Date of Birth: _____
Gender: _____ PIN _____
Passport No. / CNIC No. _____
Designation: _____
Affiliation: _____
Address: _____
Bank Draft No. _____
Amount: Rs. _____
Phone: _____
Fax: _____
E-mail: _____
Applicant's Signature: _____

The course registration fee is 8000 PKR per person, covering course file, tea and lunch breaks. Please make the demand draft payable to the Director of Finance, PIEAS. A photocopy of this form is also acceptable.

