

# Pakistan Institute of Engineering and Applied Sciences (PIEAS)



## Organizing Committee

**Dr. Naseem Irfan, Dean Engineering, PIEAS**  
**Dr. Tariq Majeed, Head DNE, PIEAS**  
**Dr. Aman ur Rehman, PS, DNE, PIEAS**  
**Dr. Masroor Ahmad, PS, DNE, PIEAS**  
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**Dr. Waseem Siddique, PE, DNE, PIEAS**  
**Dr. Amjad Farooq, SE, DNE, PIEAS**  
**Mr. Awais Zahur, SS, DNE, PIEAS**  
**Mr. Rizwan Ali, SS, DNE, PIEAS**

## Contact Information

Please send filled form and CV to:  
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## About PIEAS

PIEAS was founded in 1967 as Reactor School in response to increasing manpower demand of PAEC. The institute gained university status in 2000 and its name was changed to "Pakistan Institute of Engineering and Applied Sciences (PIEAS)". PIEAS has been ranked as No. 1 engineering university of Pakistan in the QS Asian Rankings 2014, 2015, and 2019, & QS World Rankings in 2019 and 2020.

### Faculty of Engineering

Department of Nuclear Engineering  
Department of Chemical Engineering  
Department of Electrical Engineering  
Department of Mechanical Engineering  
Department of Metallurgy & Materials Engineering

### Faculty of Sciences

Department of Medical Sciences  
Department of Computer & Information Sciences  
Department of Physics and Applied Mathematics  
Department of Communication & Management Sciences

### Academic Programs

Ph.D. in Engineering and Applied Sciences

### MS Programs

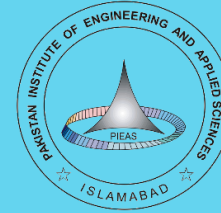
Nuclear Engineering  
Radiation Physics  
Systems Engineering  
Materials Engineering  
Process Engineering  
Mechanical Engineering  
Nuclear Medicine  
Radiation and Medical Oncology  
Medical Physics  
Mineral Resource Engineering  
Electrical Engineering (Power)

### BS Programs

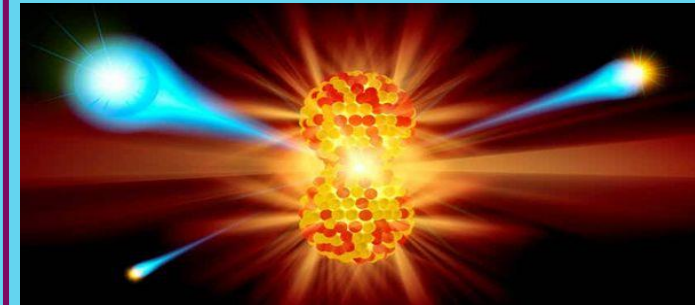
Electrical Engineering  
Mechanical Engineering  
Computer Science

**For more Information, please visit [www.pieas.edu.pk](http://www.pieas.edu.pk)**

## Short Course on Nuclear Science and Technology: Challenges and Opportunities



October 16-18, 2019



## Department of Nuclear Engineering

Pakistan Institute of Engineering and Applied Sciences

**Registration Deadline: October 14, 2019**

**Registration Fee (Participants): Rs. 8000/-**

**Registration Fee (Students): Rs. 4000/-**

## Course Topics

- Core Neutronics
- Reactor Thermal Hydraulics and CFD
- Radioactive Waste Management
- Radiation Interaction and Detection
- Hazardous Air Pollutant Dispersion and Control
- Plasma and Fusion
- Applications of Advanced Radioisotopes in Nuclear Medicine
- Nuclear Security

## Resource Persons

**Prof. Nahrul Khair bin Alang Md. Rashid (Ph.D.)** is esteemed and renowned nuclear engineer. He got Ph.D. degree from University of New Mexico, Albuquerque, USA in 1992. Since 2016, he is serving as professor of nuclear engineering in Department of Energy Engineering, UTM Johor, Malaysia. He has also served as Deputy Director General (Research & Technology Development) in Malaysian Nuclear Agency, Bangi, Selangor D.E. from May 1995 – October 2008.

**Prof. Rafiziana Md. Kasmani (Ph.D.)** is Head of Energy and Engineering Department of UTM, Malaysia. She got Ph.D. degree in Nuclear Engineering from University of Leeds, UK in 2009. She has numerous publications in the field of Nuclear Science and Technology.

**Prof. Sang Hyun Park (Ph.D.)** is organic and medicinal chemist. He got Ph.D. degree from chemistry department, Stevens Institute of Technology, NJ, USA in 1996. Since 2001, he has been working for Korea Atomic Energy Research Institute as a principal investigator, and in 2009 he Joined University of Science and Technology as a professor .

**Prof. Woosung Choi (Ph.D.)** is Head of Bio-business Division and Director of Bio-Cluster Strategy & Planning. He got Ph.D. degree in Physiology from University of British Columbia, Canada in 2006. He has also served as Principal Researcher in Laboratory Animal Center, DGMIF, Daegu, South Korea from 2012-2015 and at Laboratory Animal Center, KBIO, Osong, South Korea from 2015-2019.

## Registration Form

Application No. \_\_\_\_\_

Short Course: \_\_\_\_\_  
(For Official use only)

Photograph

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Gender: \_\_\_\_\_ PIN \_\_\_\_\_

Passport No. / CNIC No. \_\_\_\_\_

Designation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Bank Draft No. \_\_\_\_\_

Amount: Rs. \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

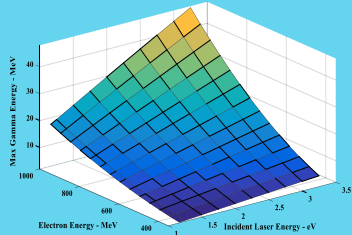
Applicant's Signature: \_\_\_\_\_

Online submission via email:  
[sajidmushtaq@pieas.edu.pk](mailto:sajidmushtaq@pieas.edu.pk)

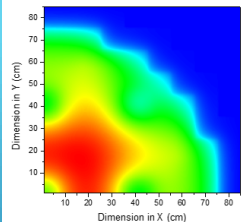
**Note:** The registration fee must be paid (i.e. Rs. 8000/- for participants and 4000/- for students) before deadline in the form of Cash / Bank Draft in favor of **“Director Finance, PIEAS, Nilore, Islamabad, Pakistan”**

- The registration fee is being charged to cover course material, tea, and lunch.

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