

Pakistan Institute of Engineering and Applied Sciences (PIEAS)

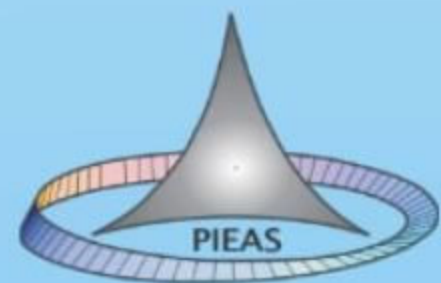


offers
a workshop for young researchers,
scientists, engineers and students

Atmospheric Dynamics with Plume Dispersion & Chemistry Transport Modelling

Organizing Committee:

Dr. Naseem Irfan, Head DNE, PIEAS
Dr. S. Shoaib Raza, DCE (Focal person)
Dr. Kamran Rasheed, PE, DNE, PIEAS
Dr. Waseem Siddique, PE, DNE, PIEAS
Dr. Khalid Waheed, SE, DNE, PIEAS
Mr. Rab Nawaz, JE, DNE, PIEAS



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)”. The university has been ranked top institution for engineering studies in Pakistan by the Higher Education Commission (HEC), in the years 2006, 2010 and 2013. PIEAS has also been ranked as No.1 engineering university of Pakistan in the QS Asian Rankings 2014 and 2015.

Faculty of Engineering

- Department of Nuclear Engineering
- Department of Chemical Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering
- Department of Metallurgy & Material Engineering

Faculty of Sciences

- Department of Medical Sciences
- Department of Computer & Information Sciences
- Department of Physics and Applied Mathematics
- Department of Communication & Mangt. Sciences

Academics Programs

- PhD in Engineering and Applied Sciences disciplines

MS Programs

- Nuclear Engineering
- System Engineering
- Electrical Engineering (Power)
- Material Engineering
- Mineral Resource Engineering
- Process Engineering
- Mechanical Engineering
- Nuclear Medicine
- Radiation and Medical Oncology
- Medical Physics
- Radiation Physics
- Physics
- Computer Science

BS Programs

- Electrical Engineering
- Mechanical Engineering
- Computer Science

For more Information, please visit www.pieas.edu.pk



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and Applied Sciences
(PIEAS)

NATIONAL WORKSHOP ON

Atmospheric Dynamics with Plume Dispersion & Chemistry Transport Modelling

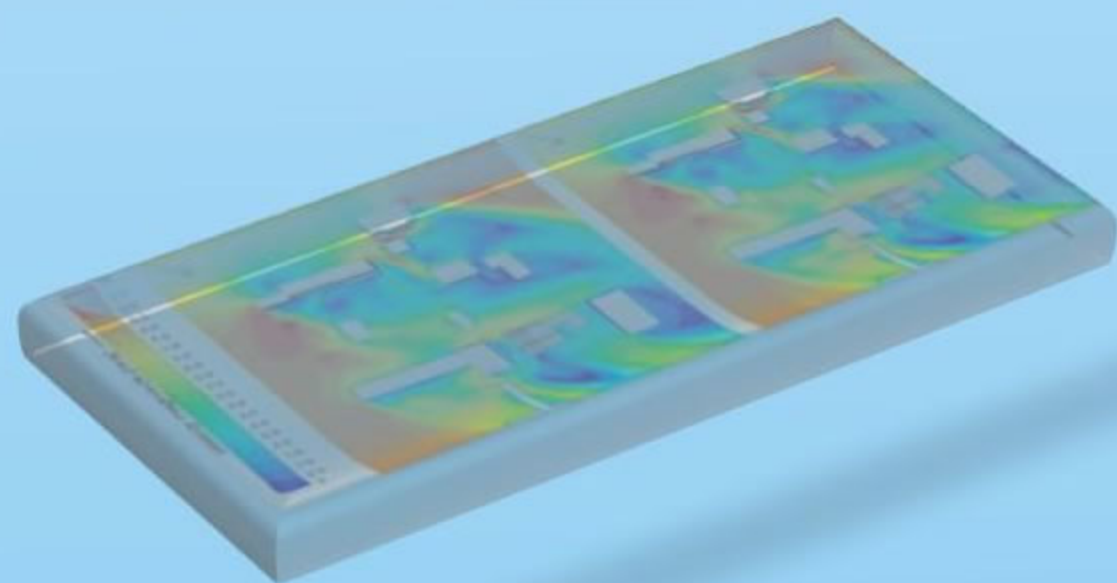
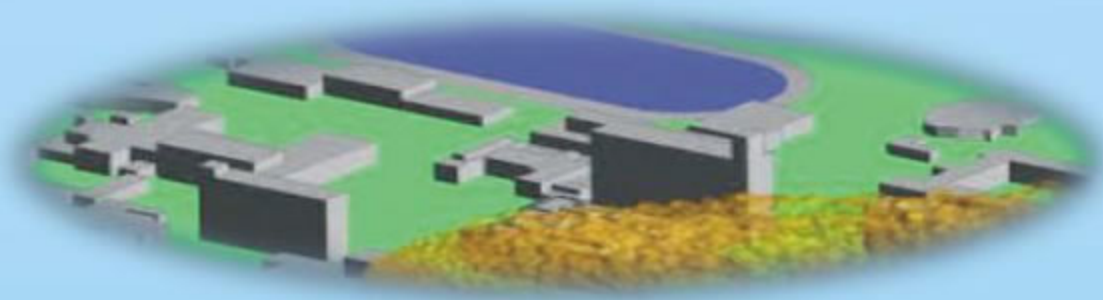
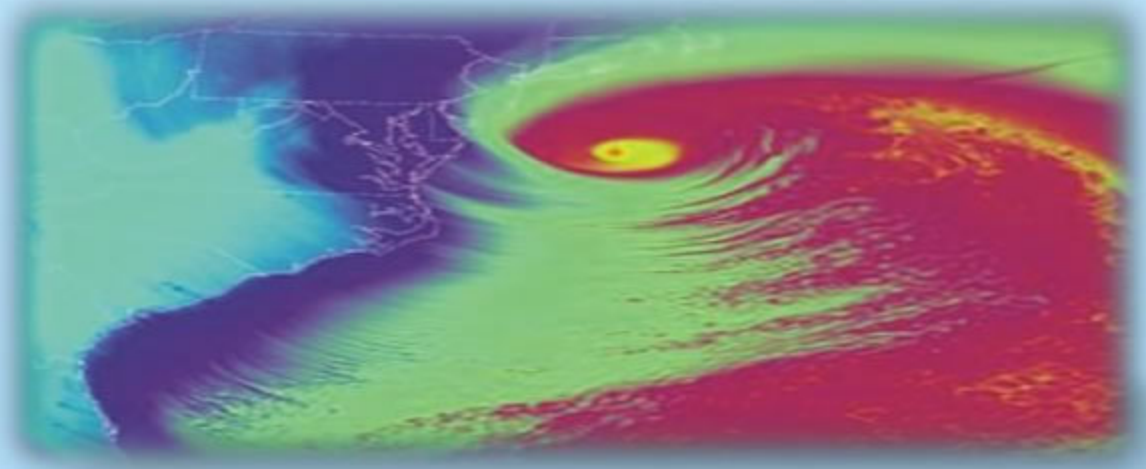
21 -24 November, 2016
Venue: PIEAS, Nilore, Islamabad



Registration Deadline: Nov. 18, 2016

COURSE TOPICS

- ❖ Atmospheric Dynamics
- ❖ Variability of Extreme Events
- ❖ Introduction to WRF Atmospheric Prediction Model
- ❖ Case Studies/Simulations with WRF
- ❖ Introduction to Lagrangian Particle Dispersion Model
- ❖ Atmospheric Dispersion Models
- ❖ Atmospheric Dispersion of a Gas Cloud

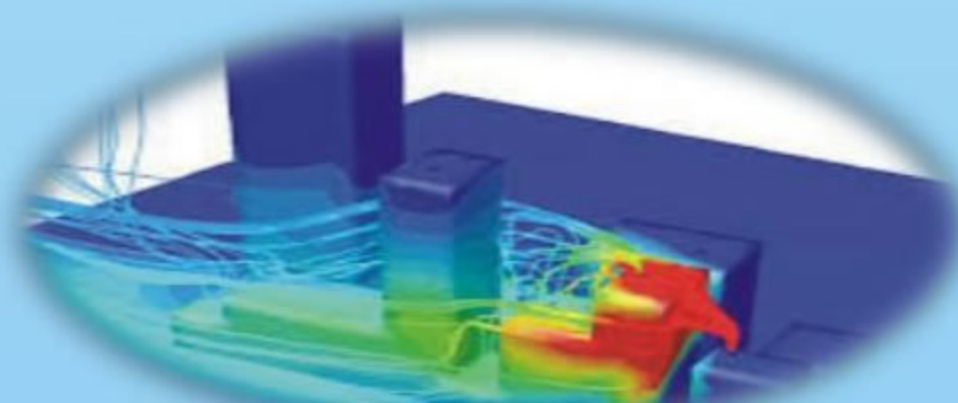


Resource Persons

Dr. Arturo Quintanar Ignacio, Professor, Centre of Atmospheric Sciences, UNAM, Mexico. He received his PhD in Atmospheric Sciences from University of California, USA. He has more than 30 years of teaching and research experience in atmosphere dynamics and hydrology. His current research interests include atmospheric modeling using numerical prediction models such as RAMS and WRF.

Dr. Ruben Avila Rodriguez, Professor, Department of Thermo-Fluids, Faculty of Engineering UNAM, Mexico. He received his PhD in Mechanical Engineering from UNAM, Mexico. He has more than 30 years of working experience in thermo-fluids. He has also served as a visiting professor in other universities in USA and Germany. His research interests are development of numerical methods for fluid flow & heat transfer, solid mechanics, turbulence modeling and atmospheric dispersion.

Dr. Syed Shoaib Raza, DCE/Professor, DNE, PIEAS. He received his PhD degree from UNAM, Mexico. He has more than 28 years of experience in teaching and research in the strategic organizations of Pakistan. He has been a post-doc fellow at the Laboratory LIVE, University of Strasbourg, France.



**NATIONAL WORKSHOP ON
ATMOSPHERIC DYNAMICS WITH
PLUME DISPERSION & CHEMISTRY
TRANSPORT MODELLING**
21-24 NOVEMBER, 2016
PIEAS, NILORE, ISLAMABAD

Registration/Nomination Form:

Name of the applicant: _____

PIN/CNIC: _____

Designation: _____

Department: _____

Institution/Organization: _____

Mailing Address: _____

Permanent Address: _____

Phone (office): _____

Phone (Cell): _____

Fax: _____

E-mail: _____

Demand Draft/P.O. No.: _____

Drawn on (Bank): _____

Amounting to Rs.: _____

- **Rs. 8000/- per person (for regular participants)**
- **Rs. 4000/- per person (for students)**

Please send this completed Form (also available at www.pieas.edu.pk) to Mr. Rab Nawaz, JE, Department of Nuclear Engineering, PIEAS, (rnawaz@pieas.edu.pk), Tel: 051-9248611-20 (Ext:3343, 3329, 3626), Fax:051-9248600, Nilore, Islamabad, along with the demand draft in favour of Head LAO, PIEAS.

(Photocopy of this Form is also valid. Please note that all entries must be filled)