

# Environment Modeling Based Requirements Engineering Workshop

organized by  
**COMSTech**

*Ministerial Standing Committee For Scientific & Technological Cooperation*

in collaboration with IEEE Education Activities Karachi Section

E-Certificate  
will be given  
to the  
participants

Cyber world and physical world are being connected closer through a network of interrelated elements, such as sensors and actuators, robots, and other computing devices. They are inspiring increasing number of beneficial applications in dependable sectors; such as aviation, transportation, aerospace, healthcare. In requirements engineer's viewpoint, the environment, the specification and the requirements are no longer independent, they become three integral concerns of a system. Such systems face an open and continuously changing environment which poses challenges for requirement engineering. One of the challenges is that the trust assumptions about the environment are no longer fixed after deriving the specification and deployment. Environment must be treated as the first-class run-time concern.

Workshop will cover the following areas:

- Requirements engineering, the principles and the representative approaches.
- Problem frames approach.
- Environment modelling based approach.
- Environment related nonfunctionalities.

**Hands-on  
Workshop**

**Venue**  
**LEJ- Computer  
Lab, KU**

**Prof. Dr. Zhi Jin,  
Peking University, China**

Zhi Jin is Professor in Software Engineering at Peking University, China. Her work is concerned with requirements engineering and knowledge-based software engineering.



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**DATE : 21 – 24.AUG.20**  
**TIME : 10 AM – 2 PM**

**Coordinated by**  
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**Deadline of Registration is 15th August**