



Centre for
Water Informatics
and Technology (WIT)

Spring School on Water Systems, Science & Practice March 14th-18th, 2016

PRE-ARRIVAL INFORMATION

Lecture Venue: Auditorium 10-301, 3rd Floor SSE Building, LUMS Campus

Campus Entry: On Day 1, your online registration will be confirmed by LUMS security before granting you access to the campus. Please proceed to the registration desk in SSE Bldg. where you will be issued a name tag. Following registration, your name tag will serve as proof-of-identity for campus access.

Registration Desk: Upon arrival, all participants are kindly requested to complete registration formalities at the *SSE Building* as follows: *Auditorium Entrance, 3rd Floor SSE Building Monday, March 14 from 9:00 – 10:00 AM*

Speaker Preparation Room: EE Reading Room, 3rd Floor SSE Building, Tesla Wing, LUMS

Secretariat: Mr. Soban Hameed, WIT Office, 5th Floor SSE Building, LUMS, 042-35608000 ext. 3763

Meal Coupons: For all School Participants, meal coupons will be provided by the WIT Staff.

Attendance Policy: If you would like to claim Participation Certificate and/or Credit Hour (LUMS Students only), an attendance sheet will be circulated twice daily (AM and PM).

Lecture Hall Policy: It is strongly advised that mobile phones be switched OFF during lecture. Leaving or entering the Lecture Hall while a lecture is in progress, is highly discouraged. Also, please show your respect to lecturers and speakers by avoiding conversation amongst yourselves.

Course Material: All lecture notes and supplementary course material can be found here:
<https://cyphynets.lums.edu.pk/index.php/WSSP2016>

School Local Organizers:

Dr. Abubakr Muhammad, Room 9-351, Tesla Wing, 3rd Floor SSE Building, LUMS, ext. 8132

Ms. Laila Kasuri, Room 10-513, Dean's Wing, 5th Floor SSE Building, LUMS, ext. 3763

Ms. Nimra Nauraiz, Room 10-513, Dean's Wing, 5th Floor SSE Building, LUMS, ext. 3763

Mr. Soban Hameed, Room 10-513, Dean's Wing, 5th Floor SSE Building, LUMS, ext. 3763



Day 1 – 14th March

Time	Session	Speaker
9:00 – 10:00	Registrations	
10:00 -10:30	Welcome Remark by WIT Director	Abubakr Muhammad
10:30 - 11:00	Module 1 Lecture 1 <i>Topic: Introduction to hydrology and hydro-climatic datasets</i>	Asif Khan
11:00 - 11:30	Tea Break	
11:30 - 12:30	Module 1 Lecture 1 (Continued) <i>Topic: Introduction to hydrology and hydro-climatic datasets</i>	Asif Khan
12:30 - 02:30	Lunch Break	
02:30 - 03:30	Module 3 Lecture 1 <i>Topic: Water as a science, technology and art for sustainable life</i>	Iftikhar Ahmed
03:30 - 04:30	Invited Speaker <i>Topic: A Conversation with Syed Babar Ali on Water, Agriculture and Education</i>	Syed Babar Ali

Day 2 – 15th March

Time	Session	Speaker
09:00 - 10:30	Module 2 Lecture 1 <i>Topic: Introduction to Systems Analysis</i>	Afreen Siddiqi
10:30 - 11:00	Tea Break	
11:00 - 12:30	Module 1 Lecture 2 <i>Topic: Hydro-climatic datasets and hydrological modelling</i>	Asif Khan
12:30 - 02:00	Lunch Break	
02:00 - 03:00	Invited Speaker <i>Topic: TBD</i>	Hammad Naqi Khan
3:00- 4:00	Module 3 Lecture 2 <i>Topic: Water informatics and smart infrastructures</i>	Abubakr Muhammad
4:00 -5:00	Module 3 Lab Tour <i>Topic: Water informatics and smart infrastructures</i>	CYPHYNETS Lab

Day 3 – 16th March

Time	Session	Speaker
09:00 - 10:00	Module 1 Lecture 3 <i>Topic: Introduction to snow and glacier data and their rectification</i>	Asif Khan
10:00 - 11:30	Module 2 Lecture 2 <i>Topic: Multi-objective Decision Making</i>	Afreen Siddiqi
11:30 – 12: 00	Tea Break	
12:00 - 1:00	Module 3 Lecture 3 <i>Topic: Water quality monitoring & purification technologies</i>	Iftikhar Ahmed
1:00 – 2:00	Lunch Break	
2:00 – 6:00pm	Field Trip to Nestle Factory	



Day 4 – 17TH March

Time	Session	Speaker
09:00 - 10:30	Module 2 Lecture 3 <i>Topic: Applied Systems Analysis: Water-Energy-Food Nexus</i>	Afreen Siddiqi
10:30 - 11:00	Tea Break	
11:00 - 12:30	Module 4 Lecture 1 <i>Topic: International Water Law</i>	Rafay Alam
12:30 - 02:00	Poster Session (Lunch served)	
02:00 - 03:00	Invited Speaker <i>Topic: Operations Research Tools in Irrigation Management</i>	Arif Anwar
03:00 - 4:30	Module 4 Lecture 2 <i>Topic: Pakistan Water Law</i>	Rafay Alam

Day 5 – 18th March

Time	Session	Speaker
09:30 - 10:30	Module 3 Lecture 4 <i>Topic: Water treatment vs. water recovery</i>	Iftikhar Ahmad
10:30 - 11:00	Tea Break	
11:00 - 12:30	Module 4 Lecture 3 <i>Topic: Policy Analysis and Conflict Negotiation</i>	Laila Kasuri
12:30 - 02:00	Lunch Break	
02:00 - 03:30	Module 2 Lecture 4 <i>Topic: Water-Energy-Food Nexus: Global Perspectives, Practice and Future Research</i>	Afreen Siddiqi / Asif Khan
03:30 - 05:45	World Water Day Event (Jointly Organized by WWF, Nestle and WIT)	Panelists: Pervez Amir Kausar Abdullah Malik Arif Anwar Kiran Farhan Ali Hasnain Sayed

Map of LUMS

