IEEE COMSOC LAHORE SECTION

Kashif Bashir, Chair

Kashif@kics.edu.pk

ADVISOR OF IEEE COMSOC LAHORE SECTION

Prof. Dr. Amjad Hussain,
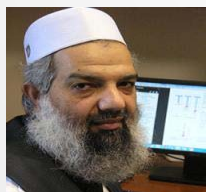Chair IEEE Lahore Section

Prof. Dr. Waqar Mahmood
Director KICS UET Lahore

Prof. Dr. Bhawani Shanker
Chair IEEE Karachi Section

Prof. Dr. Tariq Jadoon
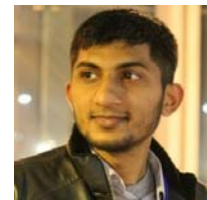HOD EE LUMS Lahore

COMMITTEE OF IEEE COMSOC LAHORE SECTION

Dr. Yasir Saleem, UET, Pak

Shahid Zulfiqar, UET, Pak

Usman Munawar, UET, Pak

Muhammad Hamza Ihtisham, PU, Pak

CHAIR MESSAGE:

"I feel honored to serve humanity in field of communication through IEEE COMSOC Lahore Section. I believe that IEEE should promote technical event as well as build industry–academia relation. I will try my best to give maximum benefits to students from IEEE COMSOC Lahore Section. "

Mr. Kashif Bashir

CONTENT

- Events in 2017

- World Telecom Day 2017

- COMSOC Summer School 2017

- Awards and Publications

- Future Directions

LIST OF EVENTS/ACTIVITIES IN 2017

1. IEEE Orientation at Bahria University Lahore (9 Jan 2017)

2. IEEE UET Award Celebration (Best student Branch 2016)(26 Jan 2017)

3. IEEE Lahore Section 1st executive meeting (27 Jan 2017)

4. IEEE Orientation at UET Lahore (13 Feb 2017)

5. IEEE Teacher in Service Program (TISP) MOU Signing of ComSoc Summer School (16 Feb 2017)

6. Seminar on Telecommunication and Future Technologies (28 Feb 2017)

7. COMSOC Lahore Section Meeting (14 March 2017)

8. Technical Visit to Punjab Safe City Authority (26 April 2017)

9. IEEE Lahore Section Meeting (5th May 2017)

10. World Telecom Day (16th May 2017)

11. Asia Pacific IEEE COMSOC Summer School (11-14 July 2017)

12. IEEE Lahore Section Executive Meeting (28 Sept 2017)

13. IEEE PSYWC'17 Technical Track 4 speakers(13-15 Oct 2017)

14. Technical Visit to PTCL Data Center (14 Oct 2017)

15. All Pakistan IEEE Section Meetings (13 Oct 2017)

COMSOC MEETINGS 2017

1. IEEE UET Award Celebration Meeting (26 Jan 2017)

2. IEEE Lahore Section 1st executive meeting (27 Jan 2017)

3. COMSOC Lahore Section Meeting (14th March 2017)

4. IEEE Lahore Section Meeting (5th May 2017)

5. IEEE Lahore Section Meeting (20 June 2017)

6. IEEE Lahore Section Executive Meeting (28 Sept 2017)

7. All Pakistan IEEE Meeting Islamabad, Lahore, Karachi at Psywc'17 (13 October, 2017)

EVENTS HIGHLIGHTS

MEETING HIGHLIGHTS

1st IEEE LAHORE SECTION EXECUTIVE COMMITTEE MEETING 2017

27th January, 2017 | FAST – NU Lahore, Pakistan

IEEE COMSOC CONDUCTS A WORKSHOP ON TISP (TEACHER IN SERVICE PROGRAM) 16 FEB 2017

- COMSOC held a workshop titled 'TISP (Teacher in Service Program)' on 16th February 2017 TEVTA Teachers

- Speaker

- Dr Ghalib Shah give workshop on IOT

- Mr Fawad and Tayyeb give workshop on BTS

and BSC 6000

- Mr. Rizwan's give workshop on the topic of Autonomous Robots with Artificial Intelligence.

- Technical Tour to Huawei telecom and IT Center

SEMINAR ON TELECOMMUNICATION AND FUTURE TECHNOLOGIES DELIVERED TO COMSATS SAHIWAL ON 28TH FEBRUARY 2017

- welcome note presented by Mr. Kashif Bashir, HUTIC Manager UET Lahore and Chair IEEE COMSOC Lahore section

- A comprehensive session on the topics of 2G, 3G, 4G and 5G was presented by HUTIC UET Lahore's official Mr. Tayyab. IEEE COMSOC International books were distributed among the students who excelled in their fields

- A presentation on Internet of Things and its future opportunities was delivered by Ms. Maham

WORLD TELECOM DAY
16 MAY 2017

1. Chief Guest of the occasion Mr. Edward Zhang, Vice President of Huawei Enterprise Wireless Solution. Top Industry Partners join the celebration.

2. Prof. Dr. Amjad Hussain Director Fast NU discussed on technology enhancements and communication development.

3. Mr. Javed Aslam, Executive Vice President Technical PTCL ,How PTCL connects us to the world.
4. Director KICS, Prof. Waqar Mahmood too talked about the importance of Big Data.
5. Mr. Sajjad Kirmani, CEO, Infogistic, revealed his views on legacy systems, advancement in technology,Big Data, cloud computing and telecom explosions in Pakistan.
6. Mr Fysal Gill, Senior Director, Spead Cast, Technology and Satellite Systems.
7. Mr. Moeez Ahmad Faizi and Deputy Chief, Telecom Punjab Safe City.
8. Mr. Kashif Bashir, IEEE ComSoc Lahore Section Chair, elaborated the Big Data impacts on the masses and told the panel about conducting more future events of these kinds

ASIA PACIFIC IEEE COMSOC SUMMER SCHOOL 2017

(11TH -14TH JULY 2017)

IEEE COMSOC Summer School Summary 26-29 July 2016

Number of researcher Participant: 35
Speakers: 18
I. International: 6 (USA)
II. National: 12 (LUMS, FAST, HITEC, COMSAT, Huawei, UET Lahore)
4 Days Event
Jointly organized by **Punjab University** & **KICS UET Lahore**
Event is featured in Teletimes international, Asian Telegraph, National newspapers. IEEE Communication Magazine

MOU SIGNING OF ASIA PACIFIC IEEE COMSOC SUMMER SCHOOL 2017

Parties: UET Lahroe, FAST NU Lahore, IEEE COMSOC and KICS UET

DAY 1

Sr. No	Time* (Hrs)	Title	Presenter Name	Affiliations
1	11:45-12:30	A Technological View of Internet Censorship Research	Prof Dr. Zartash Uzmi	LUMS
2	12 30-01 00	USAID Full Bright Scholarships	Ms Asma	USA Education Service
Lunch Break [1300-1400] Hrs				
3	1400-1500	An Overview of Core Smart Grid Communication Technologies	Dr. Sobia Baig	COMSATS Lahore
4	1500-1600	Internet of Things and Its Enabling Technology	Dr. Ghalib Shah	UET Lahore
Lahore Tour				

DAY 2

Sr. No	Time* (Hrs)	Title	Presenter Name	Affiliations
5	10:00-13:00	How to use Matlab to build a real-time receiver for commercial FM radio broadcast using an RTL software-defined radio (RTL-SDR	Dr. Momin Uppal	LUMS Lahore
Lunch Break [1300-1400] Hrs				
6	1400-1500	Green Internet of Things - An Energy Harvesting Perspectiv	Dr. Faisal K. Shaikh	MUET Jamshoro
7	1500-1600	Polar Codes: An Introduction	Dr. Ubaid ullah Fiaz	UET Lahore
Technical Visit to Punjab Safe City Authority [1600-17800] Hrs				

DAY 3

Sr. No	Time* (Hrs)	Title	Presenter Name	Affiliations
8	10:00-11:15	Shared Spectrum Access: Challenges and opportunities for the operators in 5G	Dr. M. Majid Butt	University of Dublin
9	11 15-12 30	An oversampled rate converter using sigma delta noise shaping	Dr. Hussain Mahdi	University Kebangsaan Malaysia
10	12 30-13 00	Paper/poster presentation	Researchers	Different Universities
Lunch Break [1300-1400] Hrs				
11	1400-1500	Industry Research Talk	Mr. He Gang	Huawei Technologies
12	1500-1600	Wearable Wireless Networks – From Theory to Practice	Dr. Muhammad Mahtab Alam	Tallinn University of Technology, Estonia
13. (1600-1700) Panel Discussion " How to Elevate Research in Pakistan"				
Dinner and closing Ceremony				

DAY 4

Sr. No	Time* (Hrs)	Title	Presenter Name	Affiliations
14	09:30-10:30	Scholarship Opportunities	Dr. Waqar Baig	FAST NU Faisalabad
15	10:30-11:30	Wireless acoustic sensor network	Dr.Muhammad Tahir	UET Lahore
16	11:30-13:00	Paving the Way Towards 5G Wireless Communication Networks	Dr. Mohamed-Slim Alouini	King Abdullah University of Science and Technology (KAUST)
Jumma Prayer Break				
Farewell Lunch and Certificate Distribution ceremony				

DAY 1 HIGHLIGHTS 11-14 JULY 2017

- **A Technological View of Internet Censorship Research**
  (Prof Dr. Zartash Uzmi, LUMS Lahore)

- *USAID Full Bright Scholarships*

- **An Overview of Core Smart Grid Communication Technologies**
  (Dr. Sobia Baig, COMSATS Lahore)
- **Internet of Things and Its Enabling Technology**
  (Dr. Ghalib Asad Ullah Shah, KICS Lahore)

DAY 2 HIGHLIGHTS 11-14 JULY 2017

- **How to use Matlab to build a real-time receiver for commercial FM radio broadcast using an RTL software-defined radio (RTL-SDR)**
  (Dr. Momin Uppal, LUMS Lahore)

- **Green Internet of Things – An Energy Harvesting Perspective**
  (Dr. Faisal K. Shaikh, MUET Jamshoro)

- **Polar Codes: An Introduction**
  (Dr. Ubaid ullah Fiaz) UET Lahore

TECHNICAL VISIT TO PUNJAB SAFE CITY PROJECT HQ

DAY 3 HIGHLIGHTS 11-14 JULY

- **Shared Spectrum Access: Challenges and opportunities for the operators in 5G networks**
  (Dr. M. Majid Butt)
  University of Dublin

- **An oversampled rate converter using sigma delta noise shaping**
  (Dr. Hussain Mahdi)
  University Kebangsaan Malaysia

- **Industry Research Talk**
  (Mr. He Gang)

- **Wearable Wireless Networks –   From Theory to Practice**
  (Dr. Muhammad Mahtab Alam) Tallinn University of Technology, Estonia

DAY 3 **PAPER/POSTER PRESENTATION**

DAY 4 HIGHLIGHTS
11-14 JULY 2017

- Seminar 11: Scholarship Opportunities

- Seminar 12: Wireless Acoustic Sensor Network

- Seminar 13: Paving the Way Towards 5G Wireless Communication Networks

COMSOC SUMMER SCHOOL 2017
SUMMARY

- Number of Researcher Participant: **65**

- Speakers: **14**

I.   International: China, Saudi Arabia, Estonia, Dubline and Malaysia

II.   National: **9** (LUMS, COMSAT Lahore, UET Lahore, Mehran University Jamshoro)

  - **2 Trips** : Lahore Tour and Punjab Safe City Authority
  - Jointly organized by **FAST National University** & **KICS UET Lahore**

- **And 4 Days of Excitement.**

TEAM WORK ALWAYS WINS☺

IEEE COMSOC TRACK AT PSYWC 2017 ON 13-15 OCTOBER 2017

IEEE COMSOC Lahore Section is one of the most active technical chapters in Lahore Section. This year on IEEE all Pakistan student young professional wie congress 2017 on 13-15 October 2017, COMSOC has conducted four sessions. These are the following details

1) Software Define WAN | Mr. Hassan Hafeez Khan CEO Techeglobal

2) How to organize IEEE Summer Schools & its benefits | Mr.Kashif Bashir Chair IEEE Comsoc Lahore Section

3) Future of Pakistan Telecom According to PTA| Dr. Ali Hammad Akbar (PhD. Ajou University) UET Lahore.

4) Error correcting codes for 5G | Dr. Ubaid ullah Fiaz, UET Lahore (PhD. Georgia Institute of Technology, Georgia USA)

COMSOC ORGANIZE A TECHNICAL TOUR TO PTCL DATA CENTER LAHORE ON 14 OCTOBER 2017

COMSOC also organize a technical tour to PTCL data center Lahore. PTCL technical team briefed about the operational instruction of the facility. Students also visited various parts of center including network, power & server parts. HR team also give presentation of professional career building.

OUT STANDING TECHNICAL CHAPTER AWARD BY IEEE LAHORE SECTION OUT OF 6 TECHNICAL CHAPTER FOR YEAR 2016

AWARD RECEIVED ON 7TH JANUARY 2017

PUBLICATIONS IN IEEE COMMUNICATION MAGAZINE/GCN 2016-17

IEEE ComSoc™
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FUTURE DIRECTIONS

- 5G Symposium

- IEEE Conference Co-sponsored by COMSOC

- IEEE COMSOC SUMMER SCHOOL 2018

- World Telecom Day 2018