

IEEE PIEAS STUDENT BRANCH

NEWS LETTER

SPRING 2014



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SPEED-WIRING
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ENGINEERING
T O
LAB-VIEW





IEEE PIEAS STUDENT BRANCH

NEWSLETTER

SPRING 2014

Prolusion

IEEE PIEAS Student Branch was established in April 2013 to foster technological innovation and excellence in PIEAS, and to collaborate with other student branches as a subsidiary of IEEE Islamabad Section. Since its founding, IEEE PIEAS Student Branch has been organizing seminars, symposiums, workshops, insights regarding IEEE benefits, external visits, fun activities and other technical as well as motivational events to fulfill its mission objectives. This newsletter summarizes the external/internal events and activities of the Branch during Spring 2014. These events include an external event – Symposium on Recent Advances in Control Engineering, organized in collaboration with IEEE Control System Society of Pakistan. Internal activities include the formation of new Executive Council and Extended Committee for the tenure 2014-15. Other events, during the Spring of 2014, include a 3-days Workshop on Cyber Security and Microcontrollers, Speed Wiring, Tech-Hunt and a Workshop on LabVIEW.

Events and activities are presented in reverse chronological order.

Muneeb Ur Rehman

Secretary

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1. Formation of New Executive Committee

On 28th April, 2014, the annual meeting of the Executive Council was held under the patronage of Dr. Haroon Ur Rashid (Counselor IEEE PIEAS SB), with Mr. Usman Hadi (Chair IEEE PIEAS SB), Mr. Usman Aslam (Vice Chair IEEE PIEAS SB) and Mr. Bhagesh Chouhdary (Secretary IEEE PIEAS SB). After discussing the activity of the Branch during the tenure 2013-14, the Counselor, along with the previous cabinet, interviewed the prospective candidates for the next cabinet.

The Executive meeting (28th April, 2014, 9AM-12PM) elected the following members for the next cabinet of the Branch for the tenure 2014-15 :

Core Council

Counselor : Dr. Haroon Ur Rashid
(Faculty DEE)

Chair : Usman Amin Fiaz
(BSEE 2011-15)

Vice Chair : Haseeb-Ul-Hassan
(BSEE 2012-16)

Secretary : Muneeb-Ur-Rehman
(BSEE 2011-15)

Joint Sec. : Abdullah Rafique
(BSEE 2012-16)

Treasurer : Mian Hassan Bin Younas
(BSEE 2012-16)

Extended Council

Management

Head Management : Uzair Ijaz Khan
(BSEE 2011-15)

Team : Usama Manzoor (BSEE 2013-17)
Atif Ali (BSEE 2012-16)
Wajiha Akbar (BSEE 2013-17)
Mahnoor Aftab (BSEE 2013-17)
Najeeb Afzal (BSEE 2012-16)
Hamza Ilyas (BSEE 2012-16)

Liaison

Head Liaison : Sohaib Tariq
(BSEE 2011-15)

Team : Hassan Shahid (BSEE 2012-16)
Usama Manzoor (BSEE 2013-17)
Shoaib Rehman (BSEE 2013-17)

Publicity

Head Publicity : Hassan Shahid
(BSEE 2012-16)

Team : Hassan Arif (BSEE 2011-15)
Kalim Ullah (BSEE 2011-15)
Ahsan Khan (BSEE 2013-17)

Magazine

Head Magazine : Amna Rashid
(BSEE 2011-15)

Team : Kalim Ullah (BSEE 2011-15)
Hassan Ashraf (BSEE 2011-15)
Graphics Team

Media

Ahsan Khan (BSEE 2013-17)
Shoaib Rehman (BSEE 2013-17)

Women In Engineering (WIE)

Chair WIE : Rija Iqbal
(BSEE 2012-16)

Vice Chair : Fatima Munir
(BSEE 2012-16)

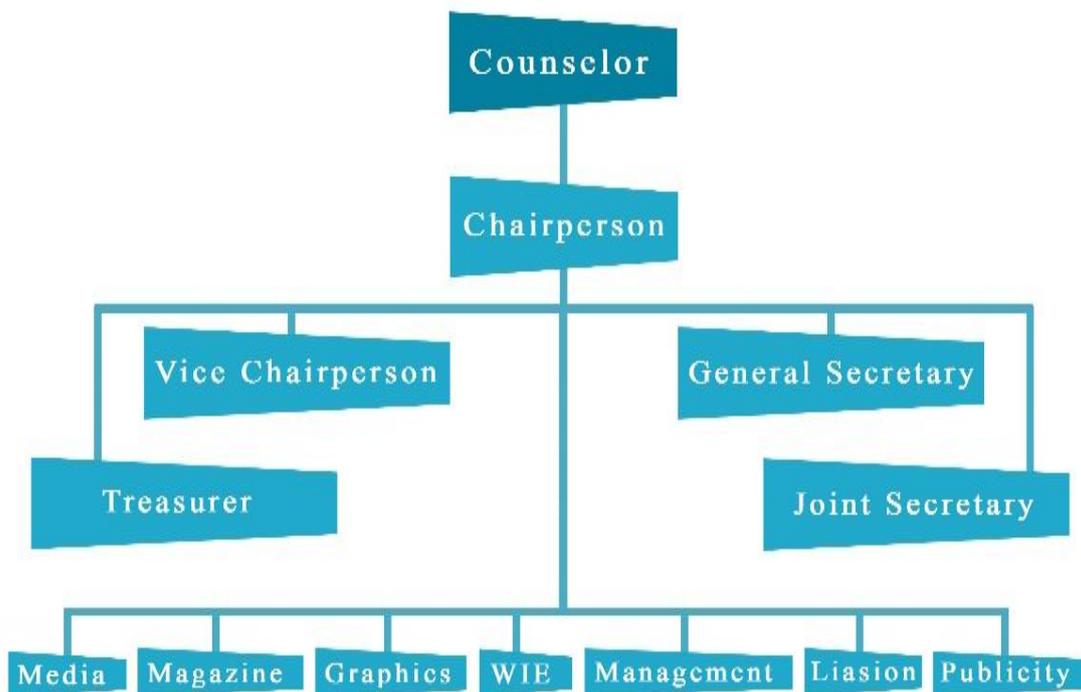
Secretary : Zukhruf Amjad
(BSEE 2013-17)

Graphics

Noman Khan (BSEE 2013-17)
Faizan Ahmed (BSEE 2012-16)

HIERARCHY

The New Council assumed their responsibilities from 30-4-2014, according to the following hierarchy:



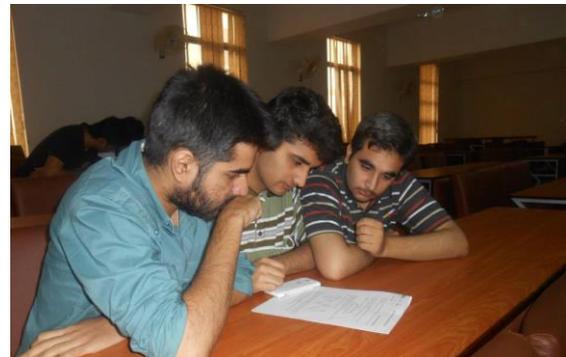
2. Mega-Fest '14

Mega-Fest '14, a joint venture of IEEE PIEAS SB, PIEAS Thematic Society and ASME PIEAS, was held on 9th, 10th and 11th May 2014. Under the banner of Mega-Fest, the Branch organized two events:

2.1 Tech-Hunt

Techhunt is basically a Scavenger Hunt-type event in which participants (teams) have to reach a certain goal by solving technical riddles, puzzles and games. The event started at 0930 sharp on 11th May 2014. It consisted of two rounds. The first round consisted of technical riddles and teams were given tasks to do, hidden in those riddles. The time given was 1.30 hours. Three teams were qualified for the

next round. The next round was due 2 hours. Teams were given the initial clue and they had to find further clues using this clue sequentially. Clues consisted of some riddle, or a picture of any place or a game to be won from the TECHHUNT official. The first to complete was given maximum points and declared the winner by consider overall points (excluding round 1).



2.2 Speed Wiring

Speed Wiring started at 10AM sharp on May 10, 2014 and continued for 2 hours. A schematic diagram was provided to each of the teams participating and the task was to patch that on breadboard in a limited time. Finish first, better chances to win.

The marking was based on 40% speed, 40% outputs of circuit, 10% compactness and 10% neatness. The circuits were then evaluated thoroughly and stage-by-stage by the judges and result was declared two days later.



3. Workshop on LabVIEW

The objective of this workshop was to familiarize students to graphical programming to develop, debug and test control systems using LabVIEW environment. The workshop was recommended for the students enrolled in EE-426 Industrial and Automation course.

Guest Presenters:

- Mr. Javed Qadir (PS, Head REDG)
- Dr. S. Hameed Qaiser (PE, Member IEEE)

Dr. Haroon Ur Rashid (Counselor IEEE PIEAS Student Branch), Dr. Muhammad Abid and Mr. Mohsin Riaz (Faculty, DEE) also participated in the proceedings.

The workshop started at 01:30PM in Computer Centre on Wednesday, 30th April, 2014. 26 Students participated in the workshop ; including 20 students enrolled

in **EE-426 Industrial and Automation** course, from the Batch 2010-14. While, 6 students participated from other batches (2011-15 and 2012-16).



4. Symposium on Recent Advances in Control Engineering

23rd April, 2014. IEEE PIEAS Student Branch organized a symposium on recent advances in control engineering, in collaboration with the following executive members of IEEE Control System Society (Pakistan) :

- Dr. Abdul Qayyum Khan
(Faculty, DEE)
- Dr. Ghulam Mustafa
(Faculty, DEE)

58 participants were registered from PIEAS, MAJU, NESCOM, PINSTECH, CIIT, Bahria University and LUMS.

Prominent speakers and Discussion Panel included Dr. Muhammad Abubakar (LUMS), Dr. Aamer Iqbal Bhatti (MAJU), Dr. Muhammad Yasir Rafique (PU), Dr. Amir Shahzad (NESCOM), Mr. Saad-ul-Hasan (Bahria University) and others.

Guest Speakers spoke on the need of strategic planning for R&D in control engineering. Fault Diagnosis, being one of the hot talks of control engineering, was also shed light upon by the speakers.

At the end of the talks, a discussion panel consisting of 7 members shared their views on the queries of participants. Rector PIEAS, Dr. Muhammad Aslam and Head DEE Dr. Naeem Iqbal also joined the concluding ceremony of the symposium.



5. Workshop on Cyber Security and Microcontrollers (Cy-Mic)

18th March 2014. IEEE PIEAS Student Branch organized a workshop on cyber security, followed by a workshop on microcontrollers on 19th and 20th March 2014.

Mr. Ziaullah Mirza, from the Voice of Green Hats, presented on cyber security and its need in present state of technological innovation. The program followed by an interactive session with the guest speaker answering the queries of participants.

On Day-2, Mr. Shahid Nazir (Faculty DEE) elaborately presented on Microcontrollers (Focusing the Intel-8051 Microcontroller) and interfacing. The presentation served as an effective introduction to microcontrollers for the Batches (2012-16 and 2013-17).

On Day-3, practical demonstration of burning and running codes on microcontrollers chips was presented followed by brief presentations on the Final Year Projects of Batch (2010-14).



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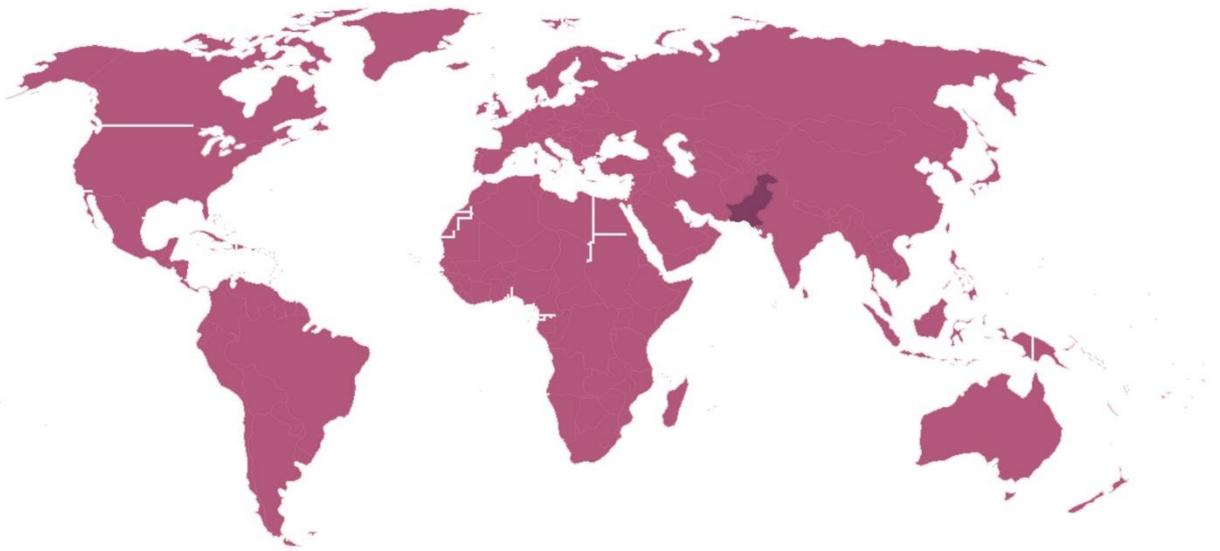
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