



Section Report

**IEEE LAHORE SECTION
ANNUAL REPORT 2008**

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PART A - SECTION SUMMARY

A. 1 Executive Summary

IEEE Lahore Section previously known as Pakistan Section was formed as a full-fledged Section in 1964. There are three society chapters, namely, PES/IAS, Communication Society, and Computer Society. There are 8 active student branches in this section besides GOLD and WIE groups. Two of these branches including the UET Student Branch have been revived. One additional student branch in Faisalabad is currently under process of being raised.

The Annual General Meeting of Lahore Section for the year 2008 was held on December 24, 2008 at University of Engineering & Technology (UET), Lahore. Prof. Dr. Asad Abidi was the chief guest of the AGM.

Dr. Shahid Masud got elevated to Senior Member this year. In the current year effort continues for advancement of eligible Members to Senior Member and Fellow grades.

The section membership was 434 at the end December 2008. The section was awarded the fastest growing section award for the year 2007 in the Region 10. The significant increase in the members was attributed to the new branches in Faisalabad.

The Section was represented in Region 10 Committee Meeting by Chair, Region 10 Student Congress by Students and Sections Congress in Quebec City Canada by Vice Chair.

The last Lahore Section website was launched in August 2001. This website was revived this year and an updated version was uploaded. The website contains all the information related to the section. The URL is <http://ewh.ieee.org/r10/lahore>. A new blog <http://ieeelhr.blogspot.com/> has also been launched, courtesy the GOLD Chair.

During the year 2008, six administrative meetings were held apart from many technical activities. Some main talks and activities were:

| | | | |
|----------------------|---|--------------------------|--|
| 25-26 Mar 2008 | Second International Conference on Electrical Engineering | | UET, Lahore |
| Mar-08 | Codinguru Programming Competition | | LUMS, Lahore |
| 21-Apr-08 | Systematic Literature Review in Software Engineering | Dr. Mahmood Niazi | Keele University, UK |
| 1-3 May 2008 | International Networking and Communication Conference INCC 2008 | | LUMS Lahore Cantt. |
| 14-Jun-08 | Computer Processing for Pakistani Languages | Prof. Dr. Sarmad Hussain | Centre for Research in Urdu Language Processing, FAST National University, Lahore. |
| 27-Jun-08 | Designing Congestion Control Protocols for Next-Generation Networks | Ihsan Ayyub Qazi | Department of Computer Science, University of Pittsburgh |
| 21-Jul-08 | SAPI: Speech Application Programming Interface | Maryam Mustafa | Adjunct Faculty, CS Dept. LUMS, Lahore |
| 16-18 Aug 2008 | Pakistan Student Congress & Tech Fair | | GC University Faisalabad |

| | | | |
|-----------|--|---------------------|--|
| 15-Oct-08 | Cognition and Security in Wireless Networks | Prof. Akbar Sayeed | Electrical and Computer Engineering University of Wisconsin-Madison, USA |
| 13-Nov-08 | Video Coding Tutorial | Shahid Ayub | CIIT Lahore |
| 3-Dec-08 | Designing Wireless Embedded Systems | Syed Hussain Gilani | General Manager, Mentor Graphics, San Jose, USA. |
| 17-Dec-08 | Challenge of Change | Dr. Anwar Khrushid | LUMS, Lahore |
| 4-Dec-08 | C/C++ Quiz Competition | | CIIT Lahore |
| 19-Dec-08 | Product Management | Junaid Basir | Microsoft, USA |
| 23-Dec-08 | Ditto - A System for Opportunistic Caching in Multi-hop Wireless Networks? | Fahad Dogar | Graduate Student, ECE Department, Carnegie Mellon University |

A. 2 Financial Report

Financial position is depicted by attached Annexures 1 through 4. Annexure 1 shows actual Receipts and Payments, while Annexure 2 gives the Bank Accounts position as on 31 December 2008. Annexure 3 gives a comparison of Actual vs Budget for the year ended December 31, 2008, while the Annexure 4 shows the proposed budget for the year 2009.

A. 2 List of Section Officers and Executive Committee Members

| | | |
|----|-----------------------------|---|
| 1 | Prof. Dr Syed Zahoor Hassan | Chair |
| 2 | Dr. Shafay Shamail | Vice Chair |
| 3 | Dr. Tariq Jadoon | Treasurer & Chair Communication Society |
| 4 | Dr. Shahab Munir Baqai | Secretary |
| 5 | Prof. Dr. Mohammed Ali Maud | Past Chair |
| 6 | Engr. Hasnain Reza Mirza | Past Chair |
| 7 | Dr. Zaeem Jafri | Student Activity Chair |
| 8 | Engr. Sajid Aziz | Membership Development Chair |
| 9 | Dr. Zartash Uzmi | Conference Chair |
| 10 | Dr. Khaver Zia | Computer Society Chair |
| 11 | Engr. Jawed Iqbal Bhatti | Member |
| 12 | Engr. Syed Shahid Hussain | Professional Activity Chair |
| 13 | Dr. Arshad Hussain | Member |
| 14 | Mr. Ishtiaq Bhatti | Office Coordinator, IEEE Lahore Section |

PART B - ORGANISATIONAL ACTIVITIES

B.1 Membership Development Programmes

Efforts in Membership Development

Efforts are being made for membership development through seminars, lectures and by inviting non-members to special functions, where they are briefed about technical and educational advantages offered by IEEE through its technical societies offering state-of-the-art learning opportunities. Different engineering organisations, software houses, and teaching institutions are being approached. Quite a few of these have shown their interest of joining IEEE because of its quality of scientific and engineering material.

A few introductory sessions have been conducted with the representatives of different colleges & universities where Bachelors and Masters in Computer Science courses are being offered. The response from the institutions has been very positive and some of the new institutions are ready to start IEEE student chapters at their institutions. The organisations who pay or reimburse the membership dues will be targeted with greater effort.

An effort is being made to motivate organizations to give incentives to their employees by subsidizing their IEEE membership fee. In another effort the oldest student branch at University of Engineering and Technology (UET) is being revived. It is hoped that this effort will help young engineers to participate in technical and professional activities and benefit from the experience and knowledge of their peers.

Evidence of retention of members

There has been an increase in the membership development in the year 2007 and 2008. This was largely due to the new branches in Faisalabad especially GC University Faisalabad. A new branch is also being formed at the NFC College Faisalabad. A number of steps are being followed to retain and increase the membership. The section has planned to hold a few technical lectures, workshops (half/full day) and panel discussions for professionals and students during the year 2009. The section is also trying to persuade large organization to pay the membership fee as an incentive to the employee for his professional growth and development.

At the end of the year 2008, the Membership of the Lahore Section was as given below.

Current Active Members (434 in total) in SAMIeee Database (21-12-08)

| IEEE Current Grade Description | IEEE Membership Status Description | Count of Members |
|--------------------------------|------------------------------------|------------------|
| Affiliate | Active | 5 |
| Associate Member | Active | 10 |
| Graduate Student Member | Active | 14 |
| Life Member | Active | 1 |
| Life Senior | Active | 2 |
| Member | Active | 120 |
| Senior Member | Active | 13 |
| Student Member | Active | 269 |

Current Student Branches:

1. NUCES Lahore
2. GCU Lahore
3. LUMS Lahore
4. UET Lahore (revived)
5. COMSATS Lahore

6. UMT Lahore (revived)
7. GCU Faisalabad
8. GIFT Gujranwala
9. NFC Faisalabad

The objectives of the Membership Development Committee (MDC) of IEEE Lahore Section are:

- To increase members: professionals and students
- To retain the members as much as possible
- To promote more Senior Members or even Fellow
- To set up more Society Chapters and Student Branches

GOLD Activity

The GOLD Chapter has been active during this year. The new GOLD Chair Rafael after taking charge and has actively pursued to promote GOLD in the graduating classes. He has also supported the Membership Development Committee in attracting young graduates.

B. 2 Professional and Continuing Education Activities

The following invited talks were arranged during the year.

- Systematic Literature Review in Software Engineering, Dr. Mahmood Niazi, Keele University, 21-Apr-08
- Computer Processing for Pakistani Languages, Prof. Dr. Sarmad Hussain, Centre for Research in Urdu Language Processing, FAST National University, Lahore., 14-Jun-08
- Designing Congestion Control Protocols for Next-Generation Networks, Ihsan Ayyub Qazi , Department of Computer Science, University of Pittsburgh, 27-Jun-08
- SAPI: Speech Application Programming Interface, Maryam Mustafa, Adjunct Faculty, CS Dept. LUMS , 21-Jul-08
- Cognition and Security in Wireless Networks, Prof. Akbar Sayeed , Electrical and Computer Engineering University of Wisconsin-Madison, USA, 15-Oct-08
- Designing Wireless Embedded Systems, Syed Hussain Gilani, General Manager, Mentor Graphics, San Jose, USA., 3-Dec-08
- Challenge of Change, Dr. Anwar Khrushid, LUMS, 17-Dec-08
- Product Management, Junaid Basir, Microsoft, 19-Dec-08

Other major technical events organized were:

- Codinguru Programming Competition, , LUMS, Mar-08
- Pakistan Student Congress & Tech Fair, , GC University Faisalabad, 16-18 Aug 2008
- IEEE CIIT Lahore C/C++ Quiz Competition, 4-Dec-08

The Lahore Section technically co-sponsored the following conferences this year:

- Second International Conference on Electrical Engineering, ICEE 2008, UET, Lahore, 25-26 March 2008
- International Networking and Communication Conference INCC 2008, , LUMS Lahore Cantt., 1-3 May 2008

B. 3 Recognised Educational Programmes (REPCOM)

No progress in this regard has been made this year.

B. 4 Student Activities

Our Student Branches have been very active and progressive. Many new members were enrolled and retention level is good. They have been organising IEEE seminars in other teaching institutions, especially with IT and Computer related subjects, with positive results. One of the very active branches during the current year has been that of GC University Faisalabad. The members of the student branch participated in the national as well as international events, organized a number of technical talks and workshops, and conducted awareness and marketing campaign to successfully motivate students to join their student branch. In the Tech Fair around 350 students from 40 different universities participated. The Pakistan Student Congress was attended by 44 delegates from 14 universities. Amir Zahoor, Chair IEEE Student Branch Faisalabad got the IEEE outstanding leadership award for the year 2007. He was also selected as the Section Student Representative of the Lahore Section.

B. 5 E-mail and Newsletter Activities, Home Page

The Section Secretariat was not able to publish a Newsletter in the year 2008. However the Section tried to have an online Newsletter. The work on this activity is under way.

The Website for the Lahore Section was launched in August 2001. This website is being upgraded. A new test version of the Lahore Section Website can be accessed at <http://chand.lums.edu.pk/~ieeetest/Index.html> . This will be uploaded to <http://ewh.ieee.org/r10/lahore> soon.

B. 6 Awards

In the past the Section has given awards to the Best Volunteers as incentives for the outstanding work done by them for promoting the cause and function of the Section in particular, and the IEEE in general. The awards are normally beautiful plaques and certificates in case of students. This year to commemorate the 125th anniversary of the IEEE the Lahore Section is recognizing the contribution of its founding members.

B. 7 Chapter Activities

PES/IAS Chapter -

Computer Society – The Computer Society held a seminar on “Computer Processing for Pakistani Languages” by Prof. Dr. Sarmad Hussain, from Centre for Research in Urdu Language Processing, FAST National University, Lahore., on 14-Jun-08 in UET Lahore. The Computer Society has planned a number of other activities for the year 2009.

| S# | Description | Speaker | Speaker's Affiliation | Date | Venue |
|----|---|--------------------------|--|-------------|-------------|
| 1 | Computer Processing for Pakistani Languages | Prof. Dr. Sarmad Hussain | Centre for Research in Urdu Language Processing, FAST National University, Lahore. | June 14, 08 | UET, Lahore |

Communication Society – The Communication Society held Second International Networking and Communication Conference in May 2008. Apart from that it arranged seminars in the area of congestion control and network security.

| S# | Description | Speaker | Speaker's Affiliation | Date | Venue |
|----|---|--------------------|--|---------------|--------------|
| 1 | International Networking and Communication Conference INCC 2008, | | | May 1-3, 2008 | LUMS, Lahore |
| 2 | Designing Congestion Control Protocols for Next-Generation Networks | Ihsan Ayyub Qazi | Department of Computer Science, University of Pittsburgh | 27-Jun-08 | LUMS, Lahore |
| 3 | Cognition and Security in Wireless Networks | Prof. Akbar Sayeed | Electrical and Computer Engineering University of Wisconsin-Madison, USA | 15-Oct-08 | LUMS, Lahore |

PART C - GOALS AND PLANS

C. 1 Goal(s)

Develop a “*member*” and “*Value*” focused organisation.

C. 2 Detailed Implementation Plans

1. Make IEEE more relevant for its members.
 - Professional development activities
 - More broad-based participation from various related industries
 - Telecom
 - Power
 - Electronics
 - Computing – Software development
2. More active support for the student branches.
3. Serve as a forum for discussion of professional and policy issues that are of interest to our members.
4. Organise at least 6 educational seminars on topics of interest to IEEE members.
5. Increase membership through a concerted drive and activate dormant members.
 - Seek institutional support
 - Offer value for membership (Institution and individual level)
 - Establish a process for converting student members into regular members
6. Organisational strengthening
 - Establish processes for providing information and services to existing and new members
 - Dues payment support
 - Information dissemination through newsletter, e-mail and website
 - Establish a standard calendar of events and activities
 - Meetings
 - Seminars
7. Financial Aid for deserving students

C. 3 Budget

A proposed budget of Rs 342,000 was prepared for the year 2009 and passed in the AGM 2008. The details of the budget are attached as Annexure 4.

PART D - OTHERS

D. 1 Relationship with National Societies

D. 2 Special Events

The following were the special events held by **IEEE Lahore Section during the year 2002:**

- Second International Conference on Electrical Engineering, ICEE 2008, UET, Lahore, 25-26 March 2008
- International Networking and Communication Conference INCC 2008, , LUMS Lahore Cantt., 1-3 May 2008
- Pakistan Student Congress & Tech Fair, , GC University Faisalabad, 16-18 Aug 2008

D. 3 Problems to be Anticipated

The following problems could be anticipated:

- Departure of volunteers to other cities or countries create a vacuum that may consume appreciable time to fill up, thus affecting adversely the planned goals and targets.
- The fluctuations in exchange rate is adversely affecting the paying power of members.

It is suggested that plans and goals be realistic keeping in view the available time to office holders and limitation of human resources for voluntary work.

Annexure 1
Statement of Receipts & Payments
For the Period from 01-01-2008 to 31-12-2008

TREASURE REPORT

STATEMENT OF RECEIPTS & PAYMENTS

For the Period From 01-01-2008 to 22-12-2008

| RECEIPTS | | | PAYMENTS | | | Detail of Expenditure | |
|-------------------------------------|-----------|---------------------|--------------------------------------|-----------|---------------------|-------------------------------|-------------------|
| | US\$ | Rupees | | US\$ | Rupees | | |
| Opening Balance | | | | | | | |
| Section Custody A/c | 12,278.33 | 753,275.55 | Expenditure during the period | | 196,862.60 | Printing & Stationery | 3,150.00 |
| NBP Rupee A/C # 817-7 | | 475,850.85 | Membership fee paid to HQ | | 176,151.48 | Postage & Courier | - |
| NBP Rupee A/C # 4922-1 | | - | Payments made on account of payables | | 18,000.00 | Entertainment | 1,260.00 |
| NBP US Dollar A/C 348-0 | 3,180.10 | 195,611.34 | Advance for Expenses/Imprest | | 173,150.00 | Salaries | 68,750.00 |
| Meezan Bank A/c # 25126008501 | | 238,384.45 | Total Payments | | 564,164.08 | IEEE - Newsletter | - |
| PICIC Comercial Bank A/c 1524 | | - | | | | Travelling & Conveyance | 51,240.00 |
| | | 1,663,122.19 | Closing Balance | | | Telephone and Fax Charges | 1,200.00 |
| Fee Receivable/Loans | | 11,977.80 | Section Custody A/c | 14,999.94 | 917,502.91 | Bank Charges | - |
| Advance for Expenses/Imprest | | 60,000.00 | NBP Rupee A/C # 817-7 | | 410,484.85 | Freight on Proceedings | - |
| Payables (Excess fee & Accrued Exp) | | (11,200.00) | NBP Rupee A/C # 4922-1 | | - | Zakat | - |
| | | | NBP US Dollar A/C 348-0 | 5,198.10 | 188,661.34 | Conference Expencc A/C | - |
| Profit on PLS A/c | | 2,626.00 | Meezan Bank A/c # 25126008501 | | 240,747.85 | Expense on Seminars | - |
| Other Income | | - | PICIC Comercial Bank A/c 1524 | | - | Expense by PES/IAS Chapter | - |
| Profit on Custody a/c | | 33,958.69 | | | | Withholding Tax | 262.60 |
| Section Rebate for the year | | 306,420.15 | | | | AGM Expenses | 32,000.00 |
| Membership Fee for remittance to HQ | | 163,134.00 | | | 1,757,396.95 | Exp. on IEEE- Week + Job fair | - |
| Grant from R 10- Returned | | - | Fee Receivable | | 11,977.80 | Misc. Expenses | - |
| INCC conference 2008 | | 92,300.00 | Payables | | (11,200.00) | Audit Fee | - |
| Received on account of Receivables | | - | | | | IEEE - Sheilds | - |
| Total Receipts | | 598,438.84 | | | | Expenses of Chapters | - |
| | | 2,322,338.83 | | | | Lab Expencc A/C | - |
| | | | | | | INCC Conference 2008 | 39,000.00 |
| | | | | | | | 196,862.60 |

FUND FLOW STATEMENT

For the Period From 01-01-2007 to 22-12-2008

Opening Cash Balance **1,663,122**

Add - RECEIPTS

Section Rebate 306,420

Profit on Bank Accounts 2,626

Interest on Custody Account 33,959

Membership fee received on behalf of HQ 163,134

INCC Receipts 92,300

598,439

Less -PAYMENTS

Total expenditure 196,863

Paid on account of payable 18,000

Membership Fee paid to HQ 176,151

Advance for expenses 113,150

504,164

Closing Cash Balance **1,757,397**

Annexure 2
Bank Accounts Position
As on 31-12-2008

BANK ACCOUNTS POSITION

AS ON 22-12-2008

| <u>Account No.</u> | | <u>Balance on 01-01-2007</u> | <u>Deposit</u> | <u>Withdrawal</u> | <u>Balance As on 22-12-2008</u> |
|-------------------------|-------|------------------------------|----------------|-------------------|---------------------------------|
| Custody Account (HQ) | US \$ | 12,278.33 | 5,224.11 | 2,502.50 | 14,999.94 |
| NBP - 348-0 | US \$ | 3,180.10 | 2,000.00 | | 5,180.10 |
| NBP C/A - 817-7 | Rupee | 475,850.85 | 185,234.00 | 250,600.00 | 410,484.85 |
| Meezan Bank 25126008501 | Rupee | 238,384.45 | 2,626.00 | 262.60 | 240,747.85 |

Annexure 3
Comparison Actual Vs Budget for the Year ended December 2008
IEEE INC. (Lahore Section)
Comparison Actual Vs Budget
As on December 22, 2008

| Description | Actual Up to (Dec 22, 2008) | Budget For the year 2008 | Variance |
|------------------------------------|--------------------------------------|-----------------------------------|----------------|
| <u>REVENUE</u> | | | |
| Section Rebate | 306,420 | 270,000 | 36,420 |
| Profit on Custody Account | 33,959 | 32,000 | 1,959 |
| Profit on Bank Accounts | 2,626 | 5,000 | (2,374) |
| Revenue from Workshops | | 11,000 | (11,000) |
| INCC Conference Surplus | 383,694 | | 383,694 |
| | 726,699 | 318,000 | 408,699 |
| <u>EXPENDITURE</u> | | | |
| Salaries ** | 75,000 | 80,000 | 5,000 |
| Printing & Stationery | 3,150 | 10,000 | 6,850 |
| Postage, Courier and Freight * | 5,000 | 10,000 | 5,000 |
| Entertainment | 1,260 | 10,000 | 8,740 |
| Miscellaneous Expenses - W.H.Tax * | 2,000 | 5,000 | 3,000 |
| Telephone & Fax | 1,200 | 5,000 | 3,800 |
| Technical Activities | 51,240 | 75,000 | 23,760 |
| Student Projects | - | | - |
| Travelling & Conveyance | - | 10,000 | 10,000 |

| | | | |
|--------------------------------------|----------------|----------------|----------------|
| Bank Charges * | 1,500 | 3,000 | 1,500 |
| Audit Expenses * | 10,000 | 10,000 | - |
| Seminars & Chapters Expenses * | 5,000 | 10,000 | 5,000 |
| AGM Expenses | 32,000 | 30,000 | (2,000) |
| Depreciation * | 19,000 | 20,000 | 1,000 |
| IEEE - Newsletter | | 40,000 | 40,000 |
| | 206,350 | 318,000 | 111,650 |
| Operating Surplus / (Deficit) | 520,349 | - | 520,349 |
| Capital Expenditure | - | - | - |
| Surplus / (Deficit) | 520,349 | - | 520,349 |

* Expected expenditure, not physically paid

**Some additional expenditure expected against the titles where actual expenditure already exists

Annexure 4

Proposed Budget For the Year 2009

PROPOSED BUDGET

FOR THE YEAR 2009

| Description | Proposed Expenses Rupees | Description | Expected Income Rupees |
|-------------------------------|-----------------------------|---------------------------|---------------------------|
| - | | - | |
| Salaries | 90,000 | Section Rebate | 300,000 |
| Printing & Stationery | 10,000 | Profit on Custody Account | 32,000 |
| News Letter Printing | 12,000 | Profit on Saving Account | 5,000 |
| Postage | 10,000 | Revenue from Workshops | 5,000 |
| Entertainment | 10,000 | - | |
| Miscellaneous Expenses | 15,000 | | |
| Telephone & Fax | 5,000 | | |
| Student Activities | 87,000 | | |
| Traveling & Conveyance | 10,000 | | |
| Bank Charges | 3,000 | | |
| Audit Expenses | 10,000 | | |
| Seminars & Workshops Expenses | 10,000 | | |
| AGM Expenses | 50,000 | | |
| Depreciation | 20,000 | | |
| Surplus/(Deficit) | - | | |
| Total | 342,000 | Total | 342,000 |