

Region 10 Section Report Format

(Please replace above heading with your Section name)

Please use the following format to submit your Section's annual report to Region 10. Please note that the annual reports are used for selecting the outstanding Sections in the region and reports submitted after the announced due date will not be considered for the award. Please do not include more than 3 photographs and preferably put them on additional pages attached to the report (please delete this paragraph in your report).

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List
 - 2015 Board
 - Chair: Man Chung Wong
 - Vice Chair: Chi Kong Wong
 - Secretary: Chi Seng Lam
 - Treasurer: Jianqing LI

2016 Board will be elected in middle of March 2016
- Section Highlights
 - Reinforcement/Establishment of collaborative relationship with local associations, Government and companies
 - Technical Support and comments to Macau Government for engineer registration system;
 - Joint Activities with Local Associations
 - SOE Macau;
 - Worker Association of CEM and Macau Water;
 - Macau Science and Technology Association;
 - Macau Facility and Management Association;
- Major Events (International, National)
 - IEEE TENCON 2015
- Major Chapter Activities
 - Seminars;
- Major Student and Affinity Group Activities
 - Final Year Project Competition
 - University of Macau Student Branch
 - Macau University Science and Technology Student Branch
 - WIE
 - A technical seminar in IEEE TENCON 2015
- Awards
 - IEEE TENCON 2015 Excellent Paper Awards for students, profession and WIE.

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)

Current Assets for 2015		Asset Consideration (2015)	
Account receivable	-	Net Asset (2015)	139128.57
Bank Balance	133122.17	Revenue	170782.70
Rebate	0.00	Expense	176789.10
Current Liabilities		Surplus	(6006.40)
Amount due to committee members	0.00		

		Net Asset (2015)	133122.17
Net Current Assets (2015)	133122.17		
Representing:			
GENERAL FUND	133122.17		

- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
30~50
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
 - Technical Seminars
 - Student Membership Subsidy Financial Support

B.2 Chapter Activities

- Total number of Chapters in the Section
7 Chapters:
 - o Computer Chapter
 - o Solid State Circuit Chapter
 - o IEEE Systems, Man, and Cybernetics Macau Chapter
 - o CAS & COM Joint Chapter
 - o EMB Hong Kong and Macau Joint Chapter
 - o AP/MTT Joint Chapter
 - o PE & PEL Joint Chapter
- Number of Chapters formed in the current year
0
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
4
- Summary of Chapter activities (Chapter wise with attachment table/information)

Next generation smart vision sensors for Wireless Camera Network (WCN) Application .
 Research directions in Subjective Decision Support System: Case Study on Med.
 Power minimization in amplifiers and filters - MACAU CAS04/COM19 CHAPTER
 Power minimization in amplifiers and filters - MACAU SSC37 CHAPTER
 Science Series - Distinguished Lectures 2015 - MACAU CAS04/COM19 CHAPTER
 Science Series - Distinguished Lectures 2015 - MACAU SSC37 CHAPTER SURFACE
 PLASMON SENSORS - MACAU CAS04/COM19 CHAPTER
 SURFACE PLASMON SENSORS - MACAU SSC37 CHAPTER
 Distinguished Workshop on Analog IC Design - MACAU CAS04/COM19 CHAPTER
 Distinguished Workshop on Analog IC Design - MACAU SSC37 CHAPTER
 IN VIVO VASCULAR IMAGING TECHNOLOGY RESEARCH AT CREATIS -
 MACAU CAS04/COM19
 IN VIVO VASCULAR IMAGING TECHNOLOGY RESEARCH AT CREATIS -
 MACAU SSC37 CHAPTE
 Can Network Coding Help Bridge the Digital Divide in the Pacific - MACAU CAS. Can
 Network Coding Help Bridge the Digital Divide in the Pacific - MACAU SSC.
 Distinguished Workshop on Advanced IC Design- Jul 13 - 14 - MACAU CAS04/COM1..
 Distinguished Workshop on Advanced IC Design- Jul 13 - 14 - MACAU SSC37 CHAP..
 Distributed Energy Resources for a Sustainable Electric Grid - MACAU SECTION.

Voltage Monitoring IC Design with HV Multiplexer and HV Transceiver for BMS
 Voltage Monitoring IC Design with HV Multiplexer and HV Transceiver for BMS .
 Communication Systems in Smart Grids - MACAU PE31/PEL35 CHAPTER
 Mixed-Signal Circuits for the Data-Driven World - MACAU CAS04/COM19 CHAPTER
 Mixed-Signal Circuits for the Data-Driven World - MACAU SSC37 CHAPTER
 Low Power Motion Estimation Specific Instruction-set Processors (MESIP)
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 Digital Signal Processing: Road to the Future - MACAU CAS04/COM19 CHAPTER
 Digital Signal Processing: Road to the Future - MACAU SSC37 CHAPTER
 Future Life and Smart Grid - MACAU SECTION
 Recent Developments in Visible Light Communication - Applications and SoC
 Facilities Management in University of Macau New Campus - MACAU PE31/PEL35
 From Energy Generation and Conversion to System Prognostics in Microgrid -
 IEEE TENCON 2015 - MACAU SECTION
 WIE workshop on TENCON 2015 - MACAU WOMEN IN ENGINEERING AFFINITY
 GROUP
 WIE special session on TENCON 2015 - MACAU WOMEN IN ENGINEERING
 AFFINITY GRO..
 VLSI and Device Technologies Trend in Electronic Industry - MACAU CAS04/CO...
 VLSI and Device Technologies Trend in Electronic Industry - MACAU SSC37 CH...
 Research and Application on Key Technologies of Operating Robot in Power Sys...

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

Next generation smart vision sensors for Wireless Camera Network (WCN) Application .
 Research directions in Subjective Decision Support System: Case Study on Med.
 Power minimization in amplifiers and filters - MACAU CAS04/COM19 CHAPTER
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 Digital Signal Processing: Road to the Future - MACAU SSC37 CHAPTER

Future Life and Smart Grid - MACAU SECTION

Recent Developments in Visible Light Communication - Applications and SoC

Facilities Management in University of Macau New Campus - MACAU PE31/PEL35

From Energy Generation and Conversion to System Prognostics in Microgrid -

IEEE TENCON 2015 - MACAU SECTION

WIE workshop on TENCON 2015 - MACAU WOMEN IN ENGINEERING AFFINITY GROUP

WIE special session on TENCON 2015 - MACAU WOMEN IN ENGINEERING AFFINITY GRO..

VLSI and Device Technologies Trend in Electronic Industry - MACAU CAS04/CO...

VLSI and Device Technologies Trend in Electronic Industry - MACAU SSC37 CH...

Research and Application on Key Technologies of Operating Robot in Power Sys...

B.4 Students Activities

- Total number of Student Branches in the Section
2
- Number of Student Branches formed in the current year
0
- Section level student activities (student congress, paper and other contests, awards etc)
2 IEEE Project Competitions in 2 universities
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year)
2
- Summary of Student Branch activities (Student Branch wise with attachment table/information)
Student Project competition, BBQ gathering

B.5 Affinity Group Activities

- Young Professional (YP)
A professional talk
- Women In Engineering (WIE)
2
- Life Member
NA

B.6 Awards & Recognition Activities

- Award constituted by the Section
NA
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year 2015
NA

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)
NA
- Home Page of the Section (give the URL and how often it is updated)
www.ieee.org.mo
- Other means of contacts with Section members including social media
NA

B.8 Industry Relations

- Membership growth and retention
NA
- Activities for/with industrial members
Cooperating for Preparing IEEE TENCON 2015

B.9 Humanitarian Technology Activities

NA

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
Lunch and dinner Gathering

PART C - OTHERS

C.1 Special Events

NA

C.2 Relationship with National Societies

NA

C.3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

Hong Kong

C.4 Support extended to Sub-sections & Society Chapters within the Section

NA

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

NA

C.6 Problems anticipated and suggestions for solutions, if any

Limited resource in human power and finance

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

NA

D.2 Goals and Future Plans

NA

D.3 Any innovative ideas to make IEEE more creative and value added for sustaining the membership retention and recruitment goals.

To invite local companies to give financial support each year when we provide their corresponding technical talks or we may arrange a short course for local engineers in order to have stable financial income.