



## IEEE Thailand Section Report 2011 activities

### PART A - SECTION SUMMARY

#### A.1 Executive Summary

##### 1) Section Executive Committee Member List

1.	Mr. Ekachai	Leelarasmee	Chair
2.	Mr. Wirash	Kanchanapibul	Vice Chair
3.	Mr. Vuthichai	Pungprasert	Treasurer
4.	Mr. Thavatchai	Tayjasant	Secretary
5.	Mr. Nopporn	Leeprechanon	Executive member
6.	Mr. Vidhya	Rugpong	Executive member
7.	Mr. Pongsak	Harnboonyanon	Executive member
8.	Mr. Jitkasem	Ngamnil	Publicity Chair
9.	Mr. Pizzanu	Kanongchaiyos	Student Activity Chair
10.	Miss Waree	Kongprawechnon	Women in Engineering
11.	Miss Supavadee	Aramvith	R10 representative

##### 2) Section Highlights

- IEEE Dinner Talk: Policy and Direction of Energy in Thailand, 14 Sept 2011
- 1<sup>st</sup> place in IEEEExtreme 5.0 contest, 22-23 Oct 2011

##### 3) Major Events (International, National)

- **IC2IT 2011** – The 8<sup>th</sup> International Conference on Computing and Information Technology, 9 – 10 May 2011
- **JCSSE 2011** – The 8th International Joint Conference on Computer Science and Software Engineering, 11 – 13 May 2011
- **I-CREATE 2011** – The 5<sup>th</sup> International convention on Rehabilitation Engineering & Assistive Technology, 21 – 23 July 2011
- **ICUE 2011** – The International Conference & Utility Exhibition 2011, 28 – 30 Sept. 2011
- **SNLP-AOS 2011** – The Joint International Symposium on Natural Language Processing and Agriculture Ontology Service 2011, 7 – 8 December 2011

##### 3) Major Chapter Activities

###### MTT/AP/ED Chapter

- International conference “TJMW 2011”, 10 – 11 Sept 2011

###### Computer Chapter

- The 1<sup>st</sup> International Conference of Interdisciplinary Research and Development” “INRIT2011” [www.INRIT2011.com](http://www.INRIT2011.com), 31 May – 1 June 2011

###### Communication Chapter

- "Security & Information Theory", 8 August 2011
- Two books about 1) IEEE and Thai Communications and 2) Thai Telecommunication Encyclopedia

###### Power & Energy Chapter

- International Conference “ICUE2011”, 28-30 Sept 2011

###### CAS Chapter

- “Editorial board” by IEICE Journal, 3 – 4 August 2011

TMC Chapter

- International conference “ICQR2011” [www.icqr.org](http://www.icqr.org), 14 – 17 Sept 2011

EMB Chapter

- “Narcotic Treatment and Biomedical Engineering Research”, 10 Jan 2011

WIE

- “Information & Communication Technology” seminar 29 June, 6 July, 12 July, 27 July, 10 August, 24 August 2011

**4) Major Student and Affinity Group Activities**

- IEEE Senior Project Contest 2011, 26 Jan 2011
- IEEE Thailand Student Branch Chairs Meeting, 26 Jan 2011
- Student representative to attend IEEE Student Congress 2011, New Zealand, 7 – 10 July 2011
- IEEE Aged Care Thailand (ACT) : facebook Event for IEEE Day, 6 Oct 2011
- First place in 5<sup>th</sup> IEEE Xtreme5.0 contest, 22 – 23 Oct 2011

**5) Awards**

- PES Chapter: High Performance Chapter Award 2010

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

Not yet fully prepared

- Summary (as per submitted L50)
- Any other financial activities

**PART B - ORGANIZATIONAL ACTIVITIES****B.1 Membership Development Activities**

1) Total number of active members in the past 3 years.

Year	F	LS	SM	LM	M	AF	A	GS	S	TOTAL
<b>2011</b>	<b>1</b>	<b>1</b>	<b>40</b>	<b>9</b>	<b>410</b>	<b>21</b>	<b>34</b>	<b>65</b>	<b>86</b>	<b>667</b>
2010	1	4	37	10	385	19	35	84	79	654
2009	1	4	30	8	327	16	28	30	59	503

2) Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members

- A one year support for new 12 student members to form a student chapter
- Senior member elevation

**B.2 Chapter Activities**

- 1) Total number of Chapters in the Section 10
- 2) Number of Chapters formed in the current year 1 (Signal Processing chapter)
- 3) 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

MTT/AP/ED Chapter

- “Research in mm-Wave System on Substrate Technology”, 21 Feb 2011
- “Commercial Applications for RF MEMS”, 25 Feb 2011
- “Through-wall sensing” , 14 Mar 2011
- “Advance Antenna Technology”, 8 Aug 2011
- International conference “TJMW 2011”, 10 – 11 Aug 2011
- “Metamaterial Circuits by Using Magnetic Material”, 12 Aug 2011
- “Microwave Measurements” , 12 Aug 2011
- “Wireless Power Transmission” , 12 Aug 2011

- “MIMO and Diversity Antenna Systems for Mobile Terminal and Small Base Stations”, 12 Aug 2011
- “Eigenvalues and Eigenvectors in Array Antennas Optimization of Array Antennas for High Performance”, 12 Aug 2011
- “Millimeter-Wave and Terahertz CMOS Design”, 13 Aug 2011
- “Wireless Energy Transfer and Conversion”, 13 Aug 2011

#### Computer Chapter

- The 1<sup>st</sup> International Conference of Interdisciplinary Research and Development” “INRIT2011” [www.INRIT2011.com](http://www.INRIT2011.com), 31 May – 1 June 2011
- "Security & Information Theory" 8 Aug 2011

#### Communication Chapter

- "Security & Information Theory", 8 Aug 2011
- Two books about 1) IEEE and Thai Communications and 2) Thai Telecommunication Encyclopedia

#### Power & Energy Chapter

- “Power System Transient SOV Case Studies in Thailand”, 17 Feb 2011
- “Real-time Digital Power Simulation”, 20 – 21 Feb 2011
- International Conference “ICUE2011”, 28-30 Sept 2011

#### CAS Chapter

- “Next Generation Wireless Communication Systems”, 24 Feb 2011
- “Speed recognition and Robotics”, 30 Mar 2011
- “Editorial board” by IEICE Journal, 3 – 4 Aug 2011

#### TMC Chapter

- International conference “ICQR2011” [www.icqr.org](http://www.icqr.org), 14 – 17 Sept 2011

#### EMB Chapter

- “Narcotic Treatment and Biomedical Engineering Research”, 10 Jan 2011

#### WIE

- “Information & Communication Technology” seminar 29 June, 6 July, 12 July, 27 July, 10 August, 24 August 2011

#### Joint PEL/IA/IE Chapter -Not available-

### **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

Cancelled due to flood in Bangkok area

### **B.4 Students Activities**

- 1) Total number of Student branches in the Section **5**
- 2) Number of Student branches formed in the current year -
- 3) Section level student activities (student congress, paper and other contests, awards etc)
  - Senior project contest, 26 Jan 2011
- 4) Number of Active Student branches (Student branches who have reported required number of meetings during the year) - *No information* -
- 5) Summary of Student branch activities student branch wise with attachment table/ information
  - Electronic Camp for 50 High School Students: October 2011 at Chulalongkorn University

**B.5 Affinity Group Activities**

- 1) GOLD -*No GOLD Affinity Group*-
- 2) WIE
  - “Information & Communication Technology” seminar
- 3) Life Member -*None*-

**B.6 Awards & Recognition Activities**

- 1) Award constituted by the section
- 2) Award(s) received from R10 *None*
- 3) Award(s) received from IEEE HQ High Performance Chapter Award 2010

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

- 1) Newsletter (name and number of issues in the year) *None*
- 2) Home Page of the section (give the URL and frequency which it is updated)  
[www.ieeethailand.org](http://www.ieeethailand.org) (new update)
- 3) Other means of contacts with section members via post and facebook

**B.8 Community Activities -None-****B.9 Other Organizational Activities -None-****PART C - OTHERS****C.1 Relationship with National Societies**

Sister society agreement with The Engineering Institute of Thailand

**C.2 Special Events**

Golf tournament from IEEE Thailand Gold club, 26 May 2011

**C.3 Problems to be Anticipated -None-**

**C.4 Best Practices of your** section (which you would like share with other sections for the benefits of members) -*None*-

**PART D - GOALS AND PLANS****D.1 Continuation of Project/Activity in Progress and Their Implementation Plans**

- IEEE Senior student project poster presentation (yearly event):
- Electronic Camp for 50 High School Students: every October at Chulalongkorn University (yearly event)

**D.2 Goals and Future Plans -None-**

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