



IEEE Thailand Section Report for its 2008 activities

PART A - SECTION SUMMARY

A.1 Executive Summary

IEEE Thailand was established 30 years ago. Its current member count is 460. The Section is active in organizing seminar and conference, particularly in the area of power engineering and was awarded best PES chapter of the year by IEEE PES. To promote membership, the section has negotiated with the Engineering Instituted of Thailand to sign an MOU with IEEE.

A.2 Financial Report

No report.

A.3 List of Section Officer and Executive Committee Members

1.	Mr. Plavut	Javanayothin	Advisor
2.	Mr. Kasem	Kularbkeo	Advisor
3.	Mr. Banchong	Chayakul	Advisor
4.	Mr. Kraisi	Karnasuta	Advisor
5.	Mr. Siri	Tandhavatana	Past Chair
6.	Mr. Naris	Srinual	Chair
7.	Mr. Ekachai	Leelarasmee	Vice - Chair
8.	Mr. Vuthichai	Pungprasert	Treasurer
9.	Miss Supavadee	Aramvith	Secretary
10.	Miss Tuptim	Angkaew	Membership Development Chair
11.	Mr. Vidhya	Rugpong	Publication Chair
12.	Mr. Pongsak	Harnboonyanon	Professional Activity Chair
13.	Mr. Sukit	Kiatboonsri	Educational Activity Chair
14.	Mr. Santi	Asawasripongtorn	Student Activity Chair
15.	Mr. Jitkasem	Ngamnil	Newsletter Editor Chair
16.	Mr. Wanchai	Sinaroj	Executive Committee
17.	Mr. Surapol	Dumronggittigule	Executive Committee
18.	Mr. Kraisi	Karnasuta	Power Engineering Chapter Chair
19.	Mr. Keattisak	Sripimanwat	Communication Chapter Chair
20.	Mr. Prayoot	Akkaraekthalin	Joint MTT/ED/AP Chapter Chair
21.	Mr. Athikom	Roeksabutr	Laser and Electro-Optics Chapter Chair
22.	Mr. Srisak	Charmonman	Joint Computer/EM Chapter Chair
23.	Mr. Wanlop	Surakamponorn	Circuits and Systems Chapter Chair
24.	Mr. Viriya	Pichetjamroen	Joint PEL/IAS/IES Chapter Chair

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Programs

1) Effort in Membership Development

Promote IEEE in local conferences and seminars.

Establish an MOU between IEEE and local engineering society

2) GOLD, WIE and Infirmity Group Activity

In the process to form WIE Affinity Group

3) Membership Statistic

Year	F	LS	SM	LM	M	AF	A	Student	TOTAL
2008	1	4	29	8	310	11	27	70	460
2007	1	4	26	5	296	17	29	67	445

B.2 Professional and Continuing Education Activities

1) 11 Continuing Educational activities and conferences.

- 1.1) “Innovative Power System Testing Solutions 2008 Very Low Frequency Testing (VLF) for Power Cable: Current Status and Standards” Assoc. Prof. Dr. Samruay Sangkasaad Mr. Martin Baur and Dr. Weerapun Rungseevijitprapa, 22 February 2008
- 1.2) “Understanding Instrument Transformers and Surge Arresters: Application, Standards and Testing” Mr. Knut Sjovall and Mr. Bengt Johnnerfelt, 23 April 2008
- 1.3) “Technical and Specification for SPP purchasing”, 7 - 8 August 2008
- 1.4) “Understanding IEC 61850 and Cigre Activities: Solution for Communication Networks and Systems in Substations” Mr. Ivan De Mesmaeker, 21 August 2008
- 1.5) “FACTS (Flexible AC Transmission Systems) and HVDC (High-Voltage Direct Current)” Mr. Wilfried Breuer, 25 June 2008
- 1.6) “Alternative Energy for Thailand”, Dr. Saifur Rahman and Dr. Bundit Euarporn 4 September 2008
- 1.7) “Electrical Power Asset Management” Prof. Dr. Michael MUHR, 23 September 2008
- 1.8) “Ubiquitous Communications: The Next Wireless Frontier”, Mr. Khaled B. Lataief, 29 May 2008
- 1.9) “Solution for Communication Network and Systems in Substation”, Mr. Ivan De Mesmaeker, 21 August 2008
- 1.10) “Transformer Failure Analysis and Failure Assessment”, Prof. Dr. Michael Murr, 23 September 2008
- 1.11) “Nuclear Power Plant”, Mr. Somporn Jongkum, 22 December 2008

2) 3 Training courses

- 2.1) “Maintenance For Electrical Equipment Power Plant and Industry”, 13 – 15 August 2008
- 2.2) “Relay Protection For Industrial Power System”, 27 – 29 August 2008
- 2.3) “Relay Setting and Relay Coordination for Industrial Power System”, 1 – 3 October 2008

3) 1 Conference

- 3.1) IEEJ – EIT Joint Symposium: Advanced Technologies in Power Systems, 4 – 5 November 2008

B.3 Recognized Educational Programs

No report

B.4 Students Activities

1) Chulalongkorn University Student Branch

- a) Organize a 5 days electronics camp for 50 high school students

B.5 Awards

No award was given.

B.6 Chapter activities

1) Power Engineering (PE31)

1.1) Seminar

- 1.1.1) “Very Low Frequency Testing For Power”, 22 February 2008
- 1.1.2) “Comparison IEEE and IEC Standard”, 23 April 2008
- 1.1.3) “Voltage Source Converter for Transmission”, 25 June 2008

- 1.1.4) “Power Network Specification”, 8 August 2008
- 1.1.5) “Understanding IEC 61850”, 21 August 2008
- 1.1.6) “Smart Distribution Grid”, 26 December 2008

2) Communication Chapter (COM19)

- 2.1) Lecture & Talk
 - 2.1.1) Free Space quantum cryptography, May 12, 2008
 - 2.1.2) Britannica Concise Encyclopedia (Thai version), May 23, 2008
- 2.2) Meeting
 - 2.2.1) IEEE AP-RCCCD Meeting 2008, Oct. 13 – 14 2008, Japan
- 2.3) Conference
 - 2.3.1) 2008 International Symposium on Intelligent Signal Processing and Communication System (ISPACS 2008), Dec. 8 – 11, 2008
- 2.4) A Thai Book Translation Project
 - 2.4.1) “A Brief History of Communications (Thai Version)”

3) LEOS (LEO36)

- 3.1) Meetings
 - 3.1.1) Talk on Millimeter Wave Applications.
 - 3.1.2) Talk on Holographic Data Storage.
- 3.2) Conference
 - 3.2.1) Conference International Workshop and Conference on Photonics and Nanotechnology, 16-18 Dec. 2007
 - 3.2.2) The Third National Conference on Optics and Applications [NCOA-3], 4 Aug. 2008
- 3.3) Other
 - 3.3.3) Shining-Spectrum-to-Society (SSS) Project.

4) Joint MTT/ED/AP Chapter (AP03/ED15/MTT17)

- 4.1) Lecture
 - 4.1.1) “An Approximate UTD for the Radiation by Sources near Thin Planar Positive of Negative Material Structures with Discontinuities”, Feb. 19, 2008
 - 4.1.2) “Large Signal Modeling for GaN HEMTs for UMTS Base Station Power Amplifier Design”, Oct. 2, 2008
 - 4.1.3) “RF-MEMS Ku-band phase shifters and tunable filters”, Nov. 14, 2008
 - 4.1.4) “Numerical Study of High Power Terahertz-Pulse Generation using Integrated Wide-bandgap Photoconductive Semiconductor Switch (PCSS) Antennas for Terahertz Applications”, Dec. 2008

5) Circuits and Systems Chapter (CAS04)

- 5.1) Seminar
 - 5.1.1) “Digital RF Processor for Single Chip Radio”, Dr. R. Bogdan Staszewski, 7 January 2008.
 - 5.1.2) “High Performance Delta Sigma Converters and Ultra Low Power Sensor Network”, Dr. George Gielen, 15 December 2008

6) Joint Computer/EM (EM14/C16)

- 6.1) Seminar
 - 6.1.1) “Borderless Education: Challenges and Opportunities for Thai Universities”, Jan. 11, 2008
 - 6.1.2) “Information Technology Morality and Ethics”, Jan. 26, 2008
 - 6.1.3) “Managing Information Technology in Digital Firms”, Feb. 23, 2008
 - 6.1.4) “IT at Assumption University”, Mar. 21, 2008

- 6.1.5) “Knowledge, HR Training Management and eLearning”, May. 15, 2008
- 6.1.6) “ISP and eLearning Management in Telecommunication Service”, June 3, 2008
- 6.1.7) “eLearning Innovation”, July 4, 2008
- 6.1.8) “eLearning Innovation in Higher Education”, July 28, 2008
- 6.1.9) “Welfare at Assumption University”, July 31, 2008
- 6.1.10) “eLearning Best Practices”, Aug. 5, 2008
- 6.1.11) “Education Technology and Second Life”, Aug. 21, 2008
- 6.1.12) “Court Cases on IT”, Aug. 22, 2008
- 6.1.13) “eLearning Now and In the Future”, Aug. 25, 2008

6.2) Other

6.2.1) Radio Program

- “Internaet IT With Srisakdi Charmonman” at Radio Thailand AM819, Every Monday 02:10-03:00pm.
- “Talking in It Language with Srisakdi Charmonman” at Radio Thailand FM92.5 and AM891 every Tuesday 02:00 – 03:00pm.

6.2.2) TV Program

- “Internet IT with Srisakdi Charmonman”. Series on Computers at UBC DLTV 9 and UBC DSTV 89, every Sunday 12:00 -01:00pm.

6.2.3) Articles in Newspapers.

- Two pages on Internet IT in “CIO World”, every month.
- One and a half pages on Internet IT in “Telecom Journal”, once a week
- Three pages on Internet IT in “eEnterprise”, every month.
- Four pages on Internet IT in “eLeader”, every month.
- Two pages on Internet IT in “Business.com”, every month.

6.2.4) Journal Publication.

- “The International Journal of the Computer, the Internet, and Management (IJCIM)”

6.2.5) Book Publication.

- Charmonman, S. “Hi-Speed Leader (In Thai Language)”. ISBN 978-974-7814-74-3
- Charmonman, S. “Internet: The Colonizer (In Thai Language)”. ISBN 978-974-7814-80-4

B.7 E-mail and Newsletter Activities, Home Page

- 3 Newsletters with R10 was published on R10 website

PART C - OTHERS

C.1 Relationship with National Societies

A meeting between IEEE executives and the Engineering Institute of Thailand was organized in May that resulted in the agreement to sign an MOU between the two.

C.2 Special Events

A visit by IEEE Technical Activity Board between 29-30 May 2008.

IEEE Thailand celebrated its 30 anniversary by organizing a joint conference in Power, Communication and Computer from 4-5 November 2008.

C.3 Problems to be Anticipated

None

PART D - GOALS AND PLANS

D.1 Implementation Plans

No report.

D.2 Goals and future plans

- To increase the number of members and promote membership activities
- Activities proposed in year 2009
 - 4 training courses
 - IEEE Distinguished Lectures
 - At least 10 technical seminars organized by several chapters
 - Organization of International Symposium to celebrate 125th Anniversary of IEEE
 - Co-organization of International/National Conference by several chapters
 - Student branches activities