

IEEE Region 10 Educational Activities Committee

Vision and Activities for 2007

**Region 10 Section Chair Meeting
Karambunai, Kota Kinabalu
24-25 March 2007**

Committee Members

1. Norman Mariun - chair
2. Akinori Nishihara
3. Tuptim Angkaew
4. Robert Hodgson
5. Mohd Nasir Taib



*Marc Apter was invited
as an advisor for the
committee*

EDUCATIONAL ACTIVITIES BOARD

- **VISION:** To make IEEE a global resource of choice for educational products and services.
- **MISSION:** To achieve our vision we intend to serve the public, the profession and our members in a technically excellent and financially responsible manner through the following activities.
 - **Society Outreach:** To offer a quality and financially viable service to Societies/Councils in the identification and production of valuable and timely educational products and services.
 - **Section Outreach:** To identify and facilitate the educational needs of the public, the profession and IEEE members.
 - **Pre-College:** To promote and enhance the level of technological literacy of pre-college educators and students globally.
 - **Continuing Professional Education:** To identify and serve the educational needs of working professionals by being the resource of choice for quality educational products and services.
 - **Accreditation:** To identify and meet the accreditation needs of the profession by assisting in the establishment and implementation of systems that assure and improve the understanding and quality of accreditation in applied science, computing, engineering and technology.
 - **Public Awareness:** To partner and collaborate with other engineering entities in enhancing public understanding and awareness of the contributions of engineering and engineers to the global economy and quality of life.
 - **Awards:** To recognize excellence and outstanding educational contributions of individuals and organizations through awards that are aligned with our educational vision and mission.

Region 10 EAC Responsibilities

- Provide guidance and assistance to Region entities in organizing short courses and publicizing educational opportunities available from the Institute.
- Develop and utilize an infrastructure for rapid and effective communications between the membership and the Region Educational Activities Committee.
- Promote educational activities at the member level and communicate to the Educational Activities Board (EAB) the educational concerns of the membership.
- Provide the Region membership with current information regarding continuing education and professional development opportunities.
- Encourage members to participate in TISP/pre-college programs.
- Promote Educational Activities awards.
- Support the Region Professional Activities Committee.
- Provide pertinent and timely committee information to the Region Newsletter Editor.
- Address other such tasks as may be assigned by the Region Delegate/Director.

Region 10 EAC Action Plan

- Support a continuing education program for at least 3 Sections.
- Support a technical colloquium or symposium for at least 3 Sections.
- Carry out a TISP workshop in cooperation with a host Section in the region.
- Support an Accreditation Workshop in at least 1 country.
- Facilitate at least 1 EAB award recipient from the Region by creating EAC awards by the Region.

R10 EAC 2007 Budget

No	Activity	Budget
1	Technical Educational Program	\$ 3,000.00
2	Soft Skill Educational Program	\$ 3,000.00
3	Accreditation Workshop	\$ 3,000.00
4	TISP Workshop	\$ 1,500.00
5	EAC Meeting	\$ 1,500.00
6	Awards	\$ 500.00
		\$ 12,500.00

Bid for Support Fund

Call for proposal to bid for the EAC support fund was made in February 2007 via the R10 Section Chair mailing list and the deadline was 22 March 2007.

Received 17 proposals:

- **11 Technical Educational Programs,**
- **5 Soft Skills Educational Programs,**
and
- **1 TISP workshop.**

IEEE Region 10 Educational Activities Committee Meeting

Karambunai, Kota Kinabalu

23 March 2007

Agenda

- 1. Welcoming Remarks and Introduction**
- 2. Technical Activities Support**
- 3. Social Skill Activities Support**
- 4. TISP**
- 5. Accreditation Workshop**
- 6. R10 EAC Award**

Technical Program Supported

No	Entity/Section	Activity	Expected number of Participants	Budget Requested (USD)	Budget Approved (USD)
1	SB Rajagiri/ Kerala	2 days Robotics Workshop	100	1000	400
2	Computer Soc/ Madras	2 days Conference on Software Testing	100	550	450
3	Computer Soc/Madras	Setting up a eGranary - Internet in a Box Facility	All Section SB	750	none
4	Kharagpur	1 day Gas Insulated System Workshop	30	1000	250
5	WIE/Calcutta	2 days Symposium on Emerging Technologies	150	1000	250
6	PEL/IE/IA Malaysia	17 events National Lecture Program	150x7+100x10	1000	1000
7	AP/ED/MTT Malaysia	3 events Distinguished Lectures	40 x 3	1482	250
8	Peshawar Subsection	2 days Symposium and Workshop on Alternative Energy Resources	200	1500	none
9	MTT/AP/ED Thailand	3 events Invited Technical Lectures	20 x 3	300	none
10	ComSoc/ Thailand	1 day Quantum Cryptography Workshop	30	1000	200
11	SP/IM/ Malaysia	3 days Real Time Image and Processing Workshop	25	950	200

Soft Skill Program Supported

No	Entity	Activity	Expected number of Participant	Budget Requested (USD)	Budget Requested (USD)
1	Computer Soc/Madras	Soft Skill workshop - 1day x 3	400 x 3	1000	none
2	MTT/AP/ED Thailand	Writing Support Program - 2 or 3 seminars	20x3	300	300
3	Western Australia	Soft Skill Workshop - 1day	36	1000	1000
4	PES/Malaysia	Soft Skill Workshop - 1day	56	950	950
5	Hyderabad	Soft Skill Workshop - 1day	30-40	1000	750

TEACHER IN-SERVICE PROGRAM

- **Encourage member participation in TISP**
 - to develop and present technologically oriented subject matter to local pre-college educators in an in-service or professional development setting.

Resources:

- **Teacher In-Service Program**
<http://www.ieee.org/organizations/eab/precollege/tispt/forsections.htm>
- **Lesson Plans**
<http://www.ieee.org/organizations/eab/precollege/tispt/lessons.htm>

TISP Putrajaya 2006

TISP workshop organized in Putrajaya, Malaysia on 9-10 September 2006 with about 90 participants consisting of 70 IEEE volunteers, 4 officers from the Malaysia Ministry of Education and 15 teachers.



TISP Proposal

EAC Malaysia Section and recently formed EduSoc Chapter Malaysia proposed a series of 4 - 2 days Teacher Training Programs around Kuala Lumpur areas namely Gombak, Shah Alam, Serdang and Bangi with expected number of teachers participation of 40 each.

The training shall be conducted by the volunteers and teachers that have attended the previous workshop.

Budget requested and approved is USD1000.

Accreditation

To identify and meet the accreditation needs of the profession by assisting in the establishment and implementation of systems that assure and improve the understanding and quality of accreditation in applied science, computing, engineering and technology.

The IEEE Region 10 EAC would like to see many more countries in this region to establish a national accreditation process or system and standard and hence to be able to benchmark against international standard and become a signatory of the Washington Accord.

Currently the signatories of WA are **Australia**, Canada, Ireland, **New Zealand**, United Kingdom, United States (all in 1989), Hong Kong (1995), South Africa (1999), **Japan** (2005), and **Singapore** (2006). Germany, **Malaysia** (both in 2004) and **South Korea** (2006) are provisional members.

The IEEE Region 10 EAC would work with AEESEAP and local Accreditation Institution/Body to organize a Workshop on National and International Engineering Program Accreditation Process so that the signatory countries may share experience and becomes sponsors and mentors to the accreditation process.

Accreditation Workshop

Tentative date: June 2008

Tentative Venue: Phuket, Thailand

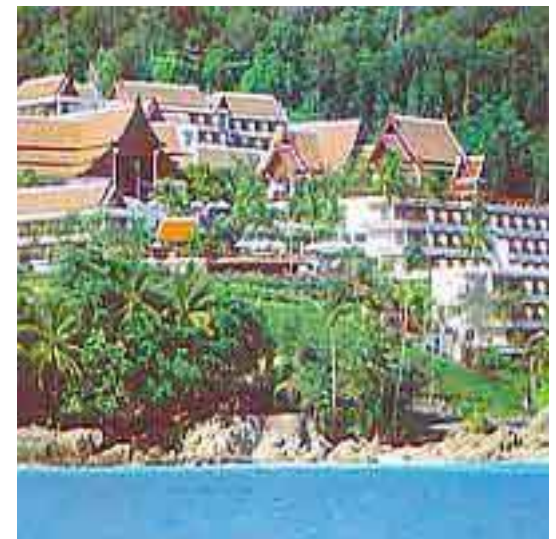
Expected number of participants: 60

Number of country represented: 20

Source of fund: IEEE EAB, AEESEAP,
UNESCO

Outcome expected:

1. Create network of Accreditation Entities between countries.
2. More countries in the region will have an accreditation process which is benchmarked against international standard and become signatory of WA.



Accreditation Seminar Kuala Lumpur, 2007



R10 EAC sponsored a “Seminar on Engineering Program Accreditation: New Zealand Experience” organized by the IEEE Malaysia Section, Malaysia Engineering Accreditation Council, and the Faculty of Engineering, Universiti Putra Malaysia on 15 February 2007. It was presented by Prof. Robert Hodgson from New Zealand. There were about 90 registered participants and about 40% are IEEE members. The participants consist of accreditation panel members from the industry representing the Board of Engineers Malaysia, and academics from various universities.



EAB AWARDS

<http://www.ieee.org/web/education/EABAwards/calls.html>

**Nobody from
Region 10 has
received any of the
EAB Award**



EAB Awards Descriptions

IEEE EAB Meritorious Achievement Award in Accreditation Activities

- Recognizes IEEE members for efforts to foster the maintenance and improvement of education through the process of accreditation engineering, engineering technology, computer science programs and applied science programs. The award consists of \$1000 and a brass and walnut plaque.

IEEE EAB Meritorious Achievement Award in Continuing Education

- Recognizes IEEE members for the dedicated contribution to the design, delivery, and support of continuing education courses and programs in the fields of interest to IEEE members. The award consists of \$1000 and a brass and walnut plaque.

IEEE EAB Major Educational Innovation Award

- Recognizes IEEE members who have distinguished themselves for outstanding educational innovation in a field of interest of the IEEE. The award consists of \$1000 and a brass and walnut plaque.

IEEE EAB Pre-University Educator Award

- Recognizes current pre-university classroom teachers who have inspired an appreciation and understanding of mathematics, science and technology and the engineering process in students and have encouraged students to pursue technical careers. The award consists of \$1000 and a brass and walnut plaque.

IEEE EAB Meritorious Service Citation

- Recognizes IEEE members who are past members of the EAB or current or past members of EAB Committees (other than currently serving on ARC) for outstanding and sustained service to the aims and objectives of the IEEE Educational Activities Board. The award consists of a brass and walnut plaque.

IEEE EAB Employer Professional Development Award

- recognizes organizations employing IEEE members for contributions to employee continuing education and professional development. The award consists of a brass and walnut plaque.

IEEE EAB Section Professional Development Award

- Recognizes IEEE Sections for major contributions to IEEE Members in the areas of life-long learning, continuing education and professional development. The award consists of a brass and walnut plaque.

IEEE EAB Vice President's Recognition Award

- The EAB Vice President's Recognition Award was established in 2001 by the IEEE Educational Activities Board to give the Vice President for Educational Activities an opportunity to recognize IEEE Members or organizations that have had a significant and substantial effect on the practice of engineering and of engineering education related to the mission of the EAB. The award consists of a brass and walnut plaque.

R10 EAC Award Proposal

Any category of the EAB Award may be considered for the R10 EAC Award.

Instruments of Award: Travel assistant to attend and participate in Region 10 Conference and a Certificate of Recognition presented during the Conference Banquet. Recipient for this regional award will be submitted for consideration of the EAB Award.

Deadline for nomination: 1 October of every year.

Nomination form may be accessed at:

<http://www.ieee.org/web/education/EABAwards/calls.html>

Terima kasih
Thank you