

# **IEEE Education Society Administrative Committee Meeting**

FIE2005 Conference

October 21, 2005, Indianapolis, IN, USA

Submitted by John Orr, Secretary, with valuable assistance from Haniph Latchman.

## **Call to Order:**

President Daniel Litynski called the meeting to order at 8:01 a.m. and welcomed committee members and guests.

## **Attendance:**

Daniel Litynski (president), Joe Hughes (VP), John Orr (secretary), Jim Sluss (treasurer), Nizar Al-Holou, Ted Batchman, Manuel Castro, Melany M. Ciampi, Trond Clausen, David Conner, Marion Hagler (sr. past president), David Irwin, Wayne Johnson, Edwin Jones, David Kerns (jr. past president), Haniph Latchman, Susan Lord, Russ Meier, Tony Mitchell, Victor Nelson, Burks Oakley, Rob Reilly, Jim Roberts, Victor Schutz, Rod Soukup, Jacek Zurada.

## **Agenda:**

**Adopted with no changes. (See Attachment 1)**

## **Minutes:**

Minutes from the previous AdCom meeting (June 13-14, 2005) were **approved with no changes.**

## **Business conducted between meetings:**

President Litynski reported that no formal business had been conducted between meetings.

## **Report of Communications:**

President Litynski reported that the details on the Ed Soc assumption of sponsorship of the IEEE Undergraduate Teaching Award are almost complete, to be effective in 2007. The paper copy of the agreement remains to be received and signed. Regarding the draft MOU received from Ted Hissey, President Emeritus of the IEEE, regarding cooperation with the Teachers and Researchers Club for Electrical, Electronic, and Automation Technologies of France, no action has been taken as yet.

## **Reports of Officers**

**Treasurer's Report:** Treasurer James Sluss distributed the Ed Soc balance sheets, showing a Net Worth of \$565,099.65 as of 9/27/05. Later in the meeting an email was received indicating that this balance sheet dated 10/19/05 was not accurate (last page of the hardcopy Treasurer's Report). Corrections will be forthcoming as soon as available from IEEE TAD Finance. See Attachment 2. The society is in good financial shape. A question was asked regarding intentions to spend some of the rather large cash balance of the society. In the society review it was indicated that the Ed Soc balance is larger than is expected. One new expenditure commitment will be support for the IEEE teaching

award, \$7,000 in 2007, and \$5,000 in following years. It was noted that the surpluses from FIE may be lower in future years than in the past. Some additional revenue results from the IEEE re-allocation of revenue from Transactions and Xplore. The possible need for reimbursement of travel expenses, particularly for international travel as the international aspects of the society's work grow, was pointed out.

**The Treasurer's Report was accepted.**

#### **Awards Committee:**

Joseph Hughes presented the report of the Awards Committee (Attachment 3). A copy of the FIE 2005 Awards Program was distributed. **Hughes made a motion for June 15 as the common deadline for all award nominations and that both certificates and plaques be presented. The motion was seconded and adopted.** Hughes noted the need to update award definitions with IEEE for consistency. He also noted that the Rigas Award will not be awarded this year. Wayne Johnson described the recent history of the Rigas award, including problems in meeting the award criteria. Johnson highlighted the continuing need for advancing the number of women in the profession, and recommended using the Rigas award to promote that aspect. The sense of the committee is that this approach is worthwhile and that the status of the Rigas award should be upgraded to be at the same level as the Terman Award. **The committee agreed that the criteria should be reviewed and modified as appropriate.** Johnson agreed to pursue this and indicated that there is good reason to expect that HP will favorably consider maintaining its financial sponsorship of the award. Burks Oakley expressed regret that this award was not given this year after nominations were solicited and received.

**Rob Reilly moved that the name of the Meritorious Service Award be changed to the Edwin C. Jones Jr. Meritorious Service Award. This was seconded and passed unanimously** (Attachment 4).

David Conner announced the deadlines for awards information for the Transactions: 30 November for the February issue; 28 February for the May issue.

#### **Chapters Committee:**

Rob Reilly reported for the Chapters Committee (Attachment 5). There are now 50 chapters. There was a discussion regarding strategy surrounding international chapters, including possible coordination with ABET activities

**Reilly moved to accept two award proposals, the Distinguished Chapter Award and the Outstanding Chapter Leadership Award. Both awards were approved.**

A planned motion to create an online student publication was not made; the publication is not quite ready. It is expected that this motion will be made in the future.

#### **Constitution and Bylaws Committee:**

Burks Oakley reported that there are no recommend changes after the Portland report. He noted that the Constitution and Bylaws do need to be completely rewritten after completion of the new Strategic Plan.

#### **Publications Committee:**

David Conner reported for the *IEEE Transactions on Education* (Attachment 6). In response to a question on time delay for publication, Conner reported that at present there

is about a 3.5 months turnaround time on reviews, followed by time for the author to return the copy for English review, then time for the author to return the final version, then about six months in the publication queue. He noted that the number of papers in the queue is falling since the adoption of more rigorous criteria.

**The Interface:** Bill Sayle submitted a written report (Attachment 7). The report noted the need to name a replacement as editor, as Bill intends to step down. It was noted that this is a joint publication with the ECE division of ASEE.

**News & Notes:** Rob Reilly submitted a written report (Attachment 5).

Rob Reilly presented a report regarding a possible new peer reviewed publication. **Reilly moved to review both the existing Transactions and the proposed new journal, prior to possibly creating a new journal**, David Conner supported this motion, **which passed. It was moved that the review committee consist of 5 members. This passed.**

Manuel Castro presented a written report on progress on a Spanish-Portuguese language web-based publication (Attachment 8). The target date for the first issue is May, 2006. A question on cost for web hosting by IEEE was raised. There is a need to know the budget impact. This information will be pursued. The Journal will be free; there could be income if and when it becomes accessible via IEEE Xplore. **The Ad Com will vote on approval of this publication (electronically) by December** when budget information is known. This will begin as an internal publication, and after some experience is gained, approval by the IEEE periodicals committee will be requested.

### **Meetings, Conference Reports and Proposals:**

Victor Schutz reported for the Meetings Committee.

ICECE 2005: Manuel Castro reported on this upcoming meeting in November (Attachment 9). The conference is progressing well and IEEE technical cosponsorship was previously approved.

TAAE 2006, July 2006: **Manuel Castro made a request for technical cosponsorship** (Attachment 10). **Approved**

FIE 2004, Savannah: Joe Hughes reported that the conference finances are essentially closed, with a small surplus.

FIE 2005, Indianapolis: Bill Oakes reported that the conference is running well; the budget is about break even.

FIE 2006, San Diego: Susan Lord reported on progress in planning, noting that the conference runs Saturday to Tuesday, and noted that there is a planned \$100 increase in registration fee.

FIE 2007, Milwaukee: Russell Meier reported that planning is underway, and asked about the appointment of a program chair by the Ed Soc. It was verified that James Sluss has been appointed to this position. Meier reported that he will request to the steering committee that awards be presented at a venue other than at awards banquet.

ITHET 2005, Santo Domingo, DR: Victor Schutz reported that it was a good meeting, but was somewhat impacted by a hurricane.

IGIP'2006, Tallinn, Estonia: **Trond Clausen made a motion for technical cooperation. Approved.**

WCCSETE'2006, Santos, Brazil: Melany Ciampi reported. (Attachment 11) **It was noted that Technical Cooperation had been conditionally approved and that these conditions have been satisfied so IEEE will be a Technical Cosponsor.**

EHWC'2006 and GCMM'2006, Santos, Brazil: Melany Ciampi requested Technical Cosponsorship for these two conferences, one of which focuses on Manufacturing and one of which focuses on Health and Environmental aspects. (Attachments 12, 13) Substantial discussion ensued regarding the relatively small overlap with the mission of the Education Society. It was pointed out that both conferences do include areas within the IEEE's fields of interest and that the Education Society desires to support international activities. The relatively small role that engineering education plays in both conferences was also pointed out. **It was moved not to extend technical cooperation to these two conferences. An amendment was proposed to support GCMM (the manufacturing conference) but not EHWC. The amendment failed. The motion to not support either EHWC or GCMM passed.**

#### **Membership Committee:**

Rob Reilly reported for the committee chair Hossein Mousavinezhad (Attachment 14). At present, the Ed Soc has 3071 members (an annual increase of 1%) and was one of only 8 IEEE societies to grow in membership over the past year.

#### **Nominating Committee:**

David Kerns presented the slates of candidates for officer and at-large positions on the Administrative Committee (a written report including bios was provided, (Attachment 15). The nominees were: President: Litynski; VP: Hughes; Secretary: Orr; Treasurer: Sluss.

The floor was opened for the nomination of additional candidates for officer positions. No additional nominations were received. **The slate was elected: Litynski president; Hughes VP; Orr Secretary; Sluss Treasurer.**

With his re-election as secretary, John Orr resigned as an at large member, opening his at large seat immediately – to be filled by appointment. **It was moved and adopted that Litynski will appoint a replacement immediately after the regular election.**

Candidates for at large seats presented by the nominating committee were: Melany M. Ciampi (Brazil), Victor P. Nelson (USA), Wayne Johnson (USA), Russell Meier (USA), Jean-Pierre Steger (Switzerland), Jacek M. Zurada (USA). Four seats are to be filled by election (plus one by appointment to fill Orr's position).

The floor was opened for the nomination of additional candidates for at large positions. No additional nominations were received. A paper ballot was conducted.

**Ciampi, Nelson, Johnson, Meier were elected for terms beginning January 1, 2006.**

**Zurada was appointed to replace Orr, effective immediately.**

#### **Finance Committee:**

James Sluss had no further comments.

### **Fellow Committee:**

David Soldan submitted a written report (Attachment 16). There were no further comments.

### **Web Site:**

Rob Reilly reported that the site has seen between 65 and 70 users per day over the past 18 months (Attachment 5). Only 50% of the hits come from the main page. The publications page receives 8% of the hits; the chapters page 4%, the online discussion pages each about 2%. Ted Batchman's contribution is indexed by Google. The response to the recent web survey was quite good; some items have been implemented. The Online Distinguished Lecturer Program is moving along and Haniph Latchman will work on this, relieving Riley and adding in person components as well as online.

### **Unfinished business:**

Daniel Litynski summarized the status of the Strategic Planning process and stated that the goals for the past summer were too ambitious. A small amount of input was received from Ad Com members but more is needed. Litynski will send email after this meeting to restart the process.

The draft MOU received from Ted Hissey regarding cooperation with the Teachers and Researchers Club for Electrical, Electronic, and Automation Technologies of France was discussed. Concern was expressed about the inclusion of a discount on IEEE publications. It was noted that IEEE routinely does discount IEEE publications as in IEEE Xplore. Litynski will report that we are willing to sign the agreement but that IEEE HQ will be contacted regarding policy issues.

### **New business:**

David Kerns raised the issue of the method by which decisions on technical cosponsorship of meetings are made and suggested that the chair of the meetings committee should provide some guidance on conferences seeking sponsorship, stating that it is not good to have them plan for getting our sponsorship and then to not be approved because we do not have guidelines.

Litynski commended Victor Schutz for his work as meetings chair, noting that Victor has spent substantial personal funds for travel and further noting that it is difficult for members and officers who do not have funding from their institution. It was also noted that Victor is retiring from the position of chair of the meetings committee and must be replaced. Litynski requested funding for the president or meetings chair to cover travel to negotiate, etc. Deferring this request to the finance committee was suggested. **It was moved to provide up to \$5,000 in interim funding for the period from now through June, 2006. This was approved without opposition.**

Riley proposed to draft the beginnings of the guidelines for technical cooperation and update the website. It was agreed that these guidelines are needed. It was noted that the guidelines must not be merely "boilerplate," suggesting that approval will be granted if the guidelines are followed, but rather stating clearly that final approval rests with the Ad Com. The need for a clear statement of scope and mission was stated. The point was made that the Ed Soc is now truly international, with one of the higher rates of international participation.

A discussion was held regarding means by which the Ed Soc could raise its visibility on Google, so that when “engineering education” is googled, the Ed Soc would be at top of the response list. One suggestion was for all Ad Com members to link the Ed Soc page to their personal pages.

Sluss reminded the committee that we have approved one time travel for Riley for chapter work and that further authorization needs to be explored. Hughes noted that when we ask people to travel for the society we should have a plan and policy for covering these expenses in place, rather than relying on one-time funding mechanisms. Riley will send meetings guidelines to all.

**Motion to Adjourn at 10:50 a.m. Approved**

**IEEE Education Society  
Administrative Committee Meeting  
Indianapolis, Indiana USA  
Friday, October 21, 2005 — 8am-10am**

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- **Welcome and Introductions (Roll Call)** — Daniel Litynski
- **Approval of [Minutes from Portland AdCom](#)** — Daniel Litynski
- **Reading of reports on business transacted other than at AdCom meeting** — Dan Litynski
- **Report of Communications** — Dan Litynski
- **Report of Officers** — Dan Litynski
  - [Treasurer's Report](#) — James Sluss
- **[Awards Committee](#)** — Joseph Hughes
  - [Renaming the Meritorious Service Award](#) — Rob Reilly
- **[Chapters Committee](#)** — Rob Reilly
  - Motion to accept 2 award proposals — Distinguished Chapter Award and Outstanding Chapter Leadership Award
  - Motion to create online student publication
- **Constitution and Bylaws Committee** — Burks Oakley
- **Publications Committee** — David Conner and Bill Sayle
  - [IEEE Transactions on Education](#) — David Conner
  - [The Interface](#) — Bill Sayle
  - [News&Notes](#) — Rob Reilly
  - [Proposal for new publication](#) — Rob Reilly
  - [Spanish-Portugese language publication Update](#) — Manuel Castro
- **Meetings, Conference Reports and Proposals** — Victor Schutz
  - [ICECE 2005](#) — Madrid — Manuel Castro
  - [TAEE 2006 co-sponsorship](#) — Manuel Castro
  - FIE 2004 — Savannah — Joe Hughes
  - FIE 2005 — Indianapolis — William Oakes, David Voltmer, Charles Yokomoto
  - FIE 2006 — San Diego — Susan Lord
  - FIE 2007 — Milwaukee — Russell Meier
  - ITHET 2005 — Santo Domingo, DR — Victor Schutz
  - IGIP'2006 — Tallinn, Estonia — Trond Clausen
  - [WCCSETE'2006](#) — Santos, Brazil — Melany Ciampi
  - [EHWC'2006](#) — Santos, Brazil — Melany Ciampi
  - [GCMM'2006](#) — Santos, Brazil — Melany Ciampi
- **[Membership Committee](#)** — Hossein Mousavinezhad & Rob Reilly
- **Nominating Committee** — David Kerns
  - [2005 AdCom election brochure as a PDF file](#), which contains a bio for all AdCom candidates; or [as an MS Word document](#)
- **[Finance Committee](#)** — James Sluss
- **[Fellow Committee](#)** — David Soldan

- [Web Site](#) — Rob Reilly
- **Unfinished business** — Daniel Litynski
- **New business** — Daniel Litynski
- **Election of Officers and AdCom members** — David Kerns
  - [2005 AdCom election brochure as a PDF file](#), which contains a bio for all AdCom candidates; or [as an MS Word document](#).
- **Adjourn** — Daniel Litynski





**IEEE Education Society  
Awards Committee Report**  
October 5, 2005

Submitted by: Joseph L.A. Hughes

**1. 2005 Award Recipients**

IEEE Education Society award recipients for 2005:

Achievement Award: H. Vincent Poor, Princeton University  
Distinguished Member Award: Marion O. Hagler, Mississippi State University  
Distinguished Member Award: Burks Oakley II, University of Illinois  
Mac Van Valkenburg Early Career Teaching Award: John R. Buck, University of  
Massachusetts – Dartmouth  
Meritorious Service Award: J. David Irwin, Auburn University  
Meritorious Service Award: Rodney J. Soukup, University of Nebraska – Lincoln  
*Transactions on Education* Best Paper Award: Antonio J. Lopez-Martin, Public  
University of Navarra & New Mexico State University

The Hewlett-Packard/Harriet B. Rigas Award and the McGraw-Hill/Jacob Millman  
Award are not being presented in 2005.

Frontiers in Education Conference award recipients for 2005:

Benjamin J. Dasher Best Paper Award (for FIE 2004): Matthew W. Ohland, Guili  
Zhang, Brian Thorndyke, and Timothy J. Anderson, “Grade-Point Average, Changes  
of Major, and Majors Selected by Students Leaving Engineering.”  
Helen Plants Award (Best Non-Traditional Session at FIE 2004): Susan M. Lord,  
Elizabeth A. Eschenbach, Alisha A. Waller, Eileen M. Cashman, and Monica J.  
Bruning, “Feminist Frontiers.”  
Ronald J. Schmitz Award (for outstanding service to FIE): Robert J. Hofinger, Purdue  
University at Columbus

**2. Major EdSoc Awards Actions during 2005**

AdCom approved Education Society sponsorship of the IEEE Undergraduate Teaching  
Award for 2007-2011, with the award to be presented at FIE. (Additionally, the 2006  
recipient has requested to receive the award at FIE 2006.) The agreement with the IEEE  
Foundation has been (or is about to be) signed by Dan Litynski.

AdCom approved modification of prizes for the Achievement, Distinguished Service,  
Meritorious Service, and Transactions Best Paper awards to include payment of the FIE  
registration and banquet fee. This is limited to one author for the Best Paper award. The  
Mac Van Valkenburg award already included this.

Proposals for two new awards submitted by Rob Reilly: “Chapter Achievement” and “Distinguished Chapter Leadership.” (AdCom approval is pending.)

### **3. Pending Action Items**

Update on issues related to the definition and administration of the Harriet B. Rigas Award. The sponsor (Hewlett-Packard) declined to support the award for 2005, but may be willing to reinstate support for 2006 and beyond if issues can be resolved in a mutually agreeable manner. Discussions are ongoing.

Discussions will resume shortly with McGraw-Hill regarding sponsorship of the Jacob Millman Award for 2006 and beyond. There has been a change in editors and the company is currently reviewing its plans.

There are currently numerous variations between the official award definitions (as approved by IEEE TAB), the EdSoc web site awards page, and ongoing practices of some award selection committees. I plan to work with the awards committee members, who chair the selection committees, to review and clarify all awards information and practices. Once this is completed, I will work with Rob Reilly to update the web site and submit any necessary updates to IEEE TAB.

A request will be submitted to IEEE TAB for (a) creation of new awards, if approved by the AdCom, (b) approval of increased prize amounts approved by the AdCom, and (c) updating of Education Society and FIE award descriptions.

Ongoing consideration by FIE Steering Committee of issues and procedures with respect to FIE awards and the FIE Awards Banquet.

### **4. AdCom approval is requested for the following items:**

- a. Establish June 15 as the deadline for submission of nominations for all EdSoc awards.
- b. Modify the Mac Van Valkenburg and Distinguished Member award prizes to include a certificate, in addition to the plaque, for consistency with the other EdSoc awards.

I offer a motion to change the name of the EdSoc's Meritorious Service Award to the:

**Edwin C. Jones Jr. Meritorious Service Award**

As I peruse the historical records of the EdSoc (<http://www.ewh.ieee.org/soc/es/history.html>), the record reflects that Professor Jones has been **\*continuously\*** involved with the Education Society in a number of key leadership roles for over 35 years!

Dr. Jones was the EdSoc Secretary-Treasurer for 3 terms from 1970-1972; he was the Vice President for 2 terms from 1973-1974; he was the President for 2 term from 1975-1976.

He also served as Newsletter Editor in 1970; and, he was the Editor-in-Chief of the *IEEE Transactions on Education* from 1982 through 1984.

He won the EdSoc's Meritorious Service Award in 1980; and received the FIE's Schmitz Award in 1990.

Dr. Jones is and has been the Chair, of the EdSoc's Meritorious Service Committee for quite some time. During his tenure with the EdSoc, he has served on numerous committees—the list is very long.

Ed Jones Jr. **\*IS\*** the Meritorious Service Award!

Respectfully submitted,

Rob Reilly

October 12, 2005



# AdCom Report

Rob Reilly

Indianapolis AdCom - 21 October 2005

r.reilly@ieee.org

**This file contains reports for the Chapters Committee, News&Notes, and the EdSoc Web site.**

- **Thank you everyone** for your support. I look forward to our continuing relationship.
- I am going to offer a **motion to create another peer-reviewed publication.**

Creating another peer-reviewed journal will:

1. provide more technical information to our members,
2. create leadership and professional growth opportunities for our members (*e.g.*, members may serve as associate editors, reviewers), and,
3. increase our cash flow (so that we support other EdSoc activities).

The proposed focus of the proposed publication will be: teaching pedagogy, Web-based technologies, and distance learning.

**Facts to support this motion:** in the 2003 All-Society Survey, ~70% of EdSoc members want "more" or "much more" material in regard to "curriculum and teaching pedagogy"; and, the number 1 reason people joined the EdSoc was for "publications" so that they could "stay informed in field," and the "field" of 85% of our members is within an educational institution.

**Dave Conner**, Co-chair of the Publications Committee, supports this action (see Portland AdCom minutes).

If this motion is approved, a committee should be formed to address the following questions:

1. What is the objective of the proposed publication?
2. Who is the intended audience of the proposed publication?
3. What evidence exists that the proposed publication will be a financial success?
4. What is the suggested editorial structure for the proposed publication?
5. Could the current *IEEE Transactions on Education* be restructured to include the objectives for the proposed publication? If so, how should the *Transactions* be restructured? If not, why?
6. How will the publication content be solicited?
7. If accepted, what changes in *IEEE Transactions on Education* objectives (if any) will be required to ensure that the new publication does not conflict with the *Transactions*?

# Chapters Committee Report

Indianapolis AdCom, 2005 - Rob Reilly - r.reilly@ieee.org

Number of chapters	
May 2003	9
Oct 2004	21
Jun 2005	36
Now	48

Our 48 Chapters serve 81 IEEE Sections (*e.g.* Nordic Chapter encompasses 5 IEEE Sections, North Carolina Chapter encompasses 5 IEEE Sections)

\*\* = chapters formed while I was Chair of Chapters Committee

Current Chapters (48)			
Central New England Council	**Singapore	Nordic Chapter	**Germany
**Connecticut	**Austria	**Romania	**Greece
Mid Hudson USA	**Montreal	**Saudi Arabia	**Virginia Council
**St. Louis	Japan Council	**Slovenia	**France
**Alabama	**No. Carolina Council	**Spain	**Turkey
Los Angeles Council	**UK & Ireland	**Argentina	**Taipei (Taiwan)
**Phoenix	**Croatia	**Mexico	Peru
**Santa Clara Valley USA	**Central Indiana	**South Brazil (Santa Catarina)	South Brazil (Sao Paulo)
Winnipeg Canada	**Siberia	Toronto	**Cen & So. Italy
**Victorian (Australia)	**India Council	**South Africa	**Portugal
**Yugoslavia	**Baltimore	**BeNeLux	**Twin Cities
**Seattle	**Philadelphia	**Switzerland	**Oregon

<b>Under Development (16)</b>		
Poland	Denver	Central Texas
Dallas	Orange County USA	Atlanta
Chile	Princeton-Cent NJ	Hong Kong
Puerto Rico-Carib	Nigeria	Rio De Janiero
Houston	Malaysia	Colombia
Egypt		

## What's next?

**The major issue at-hand is** that we will soon have 50 chapters and the committee is still dealing with Sections that want to form chapters while we are trying to shift gears to deal with the needs of the existing Chapters! This is stretching our resources! The Plan to address this issue is to issue a **Call for Champions** in the next *News&Notes* asking for EdSoc members who would like to assume a leadership role (*champion* an initiative) to volunteer a bit of their time.

### Other issues:

- 1. IEEE Foundation grant proposal & Region 8 Funding** – a. attend the Region 8 conference with selected chapter chairs and students, b. attend the Region 9 conference with selected chapter chairs and students.
- 2. Subdivide Chapters?** (*i.e.*, Central New England Council, Japan Council, Los Angeles Council)
- 3. Focus on developing new chapters** in IEEE Regions 2, 5, and 10
- 4. Cultivate the newly developed committee structure:**
  - o Awards Sub-Committee
  - o Chapter Formation & Rejuvenation Sub-Committee
  - o Chapter Funding Sub-Committee
  - o Chapter Operation Support Sub-Committee
  - o Chapter Activities Sub-Committee
  - o Distinguished Lecturers Program Sub-Committee
  - o Student Activity Sub-Committee
  - o GOLD Committee (not yet formed)

## Request to AdCom – a Motion

The Chapters Committee would like to offer these proposals as a formal motion:

- approve the **creation of an online student publication**
- **approval** of a two awards: Chapter Achievement Award, and Distinguished Chapter Leadership Award. The **Executive Committee and the Awards Committee have reviewed these proposals** and their recommendations have been included in the following documents:

# IEEE Education Society Chapter Achievement Award

## Description

The purpose of the **Chapter Achievement Award** is to honor a chapter that provides exemplary technical activities, membership services, and Societal activities to its members.

The Education Society does not have any awards that are similar to the proposed award. Currently, the Education Society has several IEEE-recognized awards. The awards are:

- Meritorious Service Award – Presented to a member of the IEEE Education Society for outstanding leadership and service to the IEEE Education Society over a sustained period of time.
- Achievement Award – Presented to a member of the IEEE Education Society for outstanding and sustained contributions to engineering education.
- McGraw-Hill/Jacob Millman Award – Presented to authors of pedagogically innovative textbooks in the fields of electrical engineering, computer engineering, or related areas.
- Transactions on Education Best Paper Award – Presented to the author(s) of the Best Paper from the previous year's Transactions on Education.
- Hewlett-Packard/Harriett B. Rigas Award – Presented to an outstanding woman engineering educator in recognition of her contribution to the profession.
- Mac Van Valkenburg Early Career Teaching Award - Presented to members of the IEEE Education Society who have made outstanding contributions to teaching unusually early in their professional careers.
- Distinguished Member Award - Presented to a members of the Education Society for outstanding long-term service to the Society and significant contributions in an IEEE Field of Interest.

## Administration

The Chapter Achievement Award will be administered by the Society's Awards Committee.

## Eligibility

A nominated chapter must be an active Society chapter in good standing with the IEEE. No chapter may receive this award more than once in a four-year period.



## **Nature of the Award – Prize Item**

The award consists of a US \$1,000 stipend to be used for chapter activities and award certificates for the chapter officers.

## **Funds**

The funds needed to support this award are minimal, and will be paid directly from the Society's account. If additional specifics are needed, please contact Dr. James Sluss, Treasurer of the Society, at sluss@ou.edu.

## **Nominee Solicitation**

A 'Call for Nominations' will be published in the Society's electronic news bulletin (the *News&Notes*), in the Chapter's mailing list, and on the Society's website.

## **Award Committee**

The selection committee for this award shall consist of the Society's Awards Committee, which is one of the standing committees. One individual on the Awards Committee shall be charged with primary responsibility for promoting this award.

## **Selection/Basis for Judging**

The selection will be based upon all of the following factors: a) the quality and quantity of activity and programs sponsored by the chapter; b) demonstration of successful outreach programs to the professional/education community; c) growth in chapter membership, and d) interaction with other Chapters/Student Chapters/Affinity Groups/Units within their Section.

## **How to Nominate a Chapter**

Self-nominations are allowed. A letter of nomination and two letters of endorsement, each no longer than 3 pages, are required in support of a nomination. Letters may be in digital form or may be paper-based. One letter must be from an officer of the Section in which the Chapter is located. No more than one letter of nomination and two letters of endorsement should be submitted. The letters must be written by persons who are familiar with the Chapter's qualifications for this award and should address the criteria listed in Selection/Basis for Judging section (above).

It is the responsibility of the nominator to insure that the letters of nomination and endorsement are received by the Chair of the Award Committee in a timely manner.

## **Timetable for Selection**

Important dates:

- The letter of nomination and letters of recommendation for this award must reach the Chair of the Society Awards Committee by June 15,
- The Society's Awards Committee shall complete the selection process by July 15.

## **Presentation**

This award will typically be presented at the recipient's annual Section awards ceremony/banquet; but, can be presented at another venue that would be agreeable to the awardee and the Chair of the Society's Awards Committee.

As of August 23, 2005

# IEEE Education Society Distinguished Chapter Leadership Award

## Description

The purpose of the **Distinguished Chapter Leadership Award** is to honor a Society member who has, over a sustained period of time, made an exceptional contribution to the Society, which has manifested itself at a local Chapter.

The Education Society does not have any awards that are similar to the proposed award. Currently, the Education Society has several IEEE-recognized awards. The awards are:

- Meritorious Service Award – Presented to a member of the IEEE Education Society for outstanding leadership and service to the IEEE Education Society over a sustained period of time.
- Achievement Award – Presented to a member of the IEEE Education Society for outstanding and sustained contributions to engineering education.
- McGraw-Hill/Jacob Millman Award – Presented to authors of pedagogically innovative textbooks in the fields of electrical engineering, computer engineering, or related areas.
- Transactions on Education Best Paper Award – Presented to the author(s) of the Best Paper from the previous year's Transactions on Education.
- Hewlett-Packard/Harriett B. Rigas Award – Presented to an outstanding woman engineering educator in recognition of her contribution to the profession.
- Mac Van Valkenburg Early Career Teaching Award - Presented to members of the IEEE Education Society who have made outstanding contributions to teaching unusually early in their professional careers.
- Distinguished Member Award - Presented to a members of the Education Society for outstanding long-term service to the Society and significant contributions in an IEEE Field of Interest.

## Administration

The Distinguished Chapter Leadership Award will be administered by the Society's Awards Committee.

## Eligibility

Individuals nominated for this award must be a member of the Society and the IEEE.

## **Nature of the Award – Prize Item**

The award consists of a commemorative plaque; and paid registration to the next fall's Frontiers in Education (FIE) conference if the award is to be presented there.

## **Funds**

The funds needed to support this award are minimal, and will be paid directly from the Society's account. If additional specifics are needed, please contact Dr. James Sluss, Treasurer of the Society, at sluss@ou.edu.

## **Nominee Solicitation**

A 'Call for Nominations' will be published in the Society's electronic news bulletin (the *News&Notes*), in the Chapter's mailing list, and on the Society's website.

## **Award Committee**

The selection committee for this award shall consist of the Society's Awards Committee, which is a standing committee. One individual on the Awards Committee shall be charged with primary responsibility for promoting this award.

## **Selection/Basis for Judging**

The award is based upon evidence of a distinguished contribution to the Society, which has manifested itself at a local Chapter.

The selection will be based upon the following factors: leadership roles and leadership quality, which have provided an innovative, inventive, and/or important service/contribution to a local Chapter of the Education Society over a sustained period of time.

## **How to Nominate Someone**

Self-nominations are not allowed. A letter of nomination and one letter of endorsement, each no longer than 3 pages, is required in support of a nomination. Letters may be in digital form or may be paper-based. Only one letter of nomination and one letter of endorsement should be submitted. Both letters must be written by persons who are familiar with the nominee's qualifications for this award and should address the criterion listed in Selection/Basis for Judging section (above).

It is the responsibility of the nominator to insure that the letter of recommendation and letter of endorsement are received by the Chair of the Award Committee in a timely manner.

## **Timetable for Selection**

Important dates:

- The letter of nomination and the letter of endorsement for this award must reach the Chair of the Society Awards Committee by June 15,
- The Society's Awards Committee shall complete the selection process by July 15.

## **Presentation**

This award will typically be presented at the recipient's annual Section awards ceremony/banquet; but, can be presented at another venue that would be agreeable to the awardee and the Chair of the Society's Awards Committee, such as the FIE Conference.

As of August 23, 2005

# Web Site Report

Indianapolis AdCom, 2005 - Rob Reilly - r.reilly@ieee.org

Total logins as of Sep 31, 2005\* = 48,655

\*Statistics are based upon projected figures as of September 19, 2005

## 7-month-segments

Average logins/day from Nov 2003 thru May 2004 (7 mo. before Salt Lake AdCom) = 54.5

Average logins/day from Mar 2004 thru Sep 2004 (7 mo. before Savannah AdCom) = 65.7

Average logins/day from Nov 2004 thru May 2005 (7 mo. before Portland AdCom) = 70.0

Average logins/day from Mar 2005 thru Sep 2005 (7 mo. before Indianapolis AdCom) = 66.5\*

## 12-month-segments

Average logins per month May 2003 thru Apr 2004 = 1,202

Average logins per month May 2004 thru Apr 2005 = 2,053

**Web site URL: [www.ieee.org/edsoc](http://www.ieee.org/edsoc)**

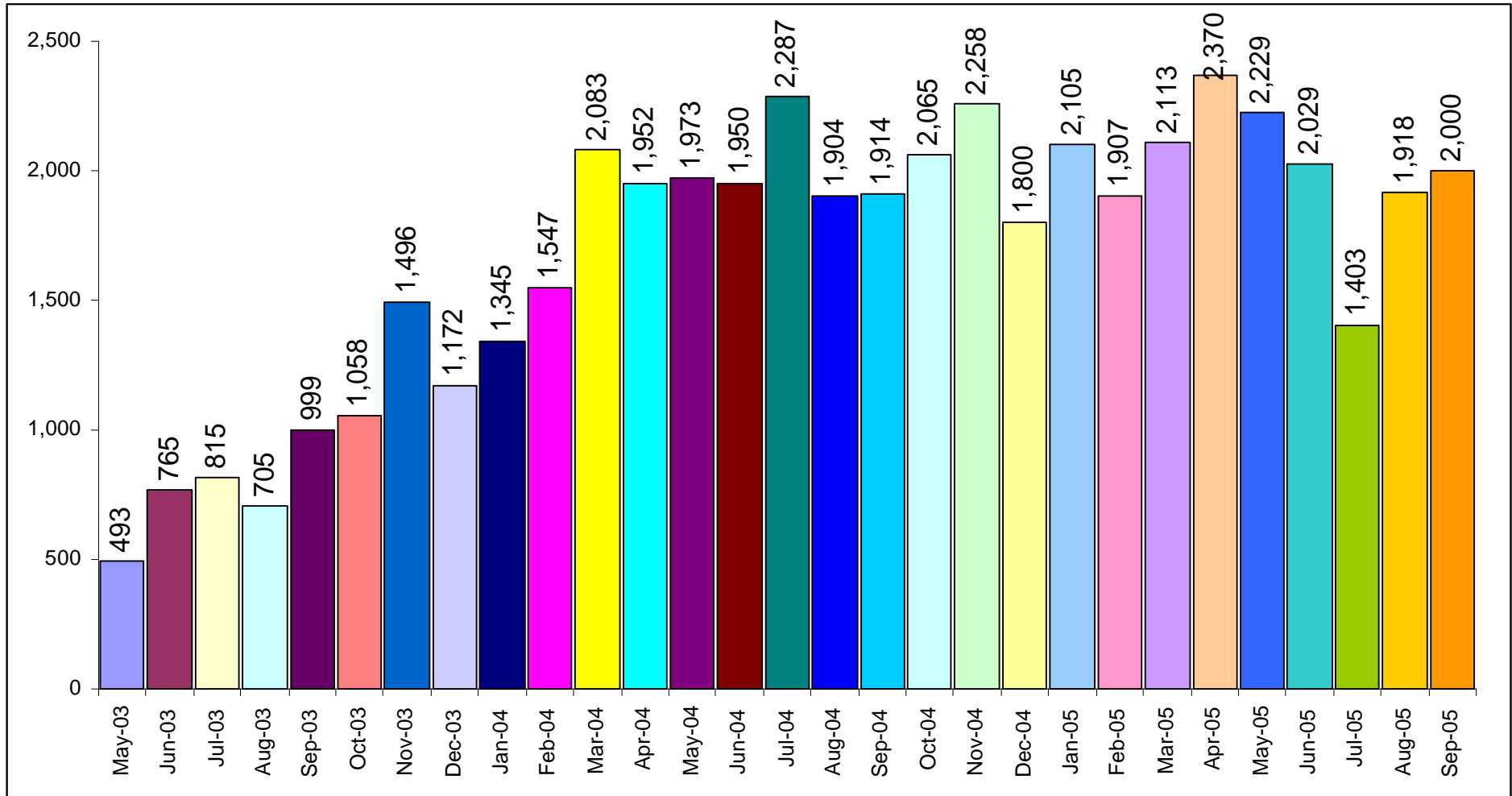
**There has been significant increase in traffic from May 2003 to May 2004 to May 2005. It seems to me that any further significant increase in traffic is going to be linked to new or improved services provided by the EdSoc rather than a derivative of improvements to the Web site.**

### **What's Now (Was: What's Next)?**

I believe that Web site has reached **cruising altitude** (for the moment). I have **nothing new in-mind** for the Web site. I perform maintenance, add/remove material, and keep it from blowing-up.

# Web Site Usage May 2003 through September 2005\*

\*September 2005 statistic is a projection based upon data available on September 19, 2005



# Distinguished Lecturer Program Online Forum Report

Indianapolis AdCom – October 21, 2005 - Rob Reilly (r.reilly@ieee.org)

We have just finished conducting our 4<sup>th</sup> online Distinguished Lecturer Program presentation. It was very well attended and the audience seemed quite involved in the presentation. I will conduct an online poll of the 'audience' to determine what they think about this program.

Currently there are 389 people subscribed to this forum

- **Cognition, Affect and Learning** August 2005 by **Barry Kort**, MIT USA
- **Defining and Teaching Engineering Ethics** October 2004 by **Billy V. Koen**, The University of Texas Austin USA
- **Ever Think About Becoming a Book Author?** June 2004 by **David Fogel**, Natural Selection, Inc.; Board Member, IEEE Press
- **Getting Published in the IEEE Transactions on Education** May 2004 by **Ted Batchman**, University of Nevada Reno USA

Located at: <http://www.ewh.ieee.org/soc/es/esnews.html>

## What's next?

**Develop a Distinguished Lecturer Program (DLP)** from the lecturer series that is in-place.

- Create a Chapters Committee sub-committee to develop the DLP,
- Survey the existing IEEE DLPs to determine their structure,
- Explore expanding the online delivery with Manuel Castro (Spain Chapter Chair) for all countries and for Spanish-speaking countries (IEEE Foundation grant proposal),
- Explore expanding the online delivery with Hamadou Saliah-Hassane (Montreal Chapter Chair) for all countries and for French-speaking countries (significant number of African countries and Pacific Ocean countries) (IEEE Foundation grant proposal).



# News&Notes Report

October 21, 2005 Indianapolis AdCom

The *News&Notes* bulletin is typically published once a month. It began operation in November 2003. Since then 19 issues have been published. Burks Oakley (USA) and Martin Nistal (Spain) have graciously consented to be the editorial review board

When I publish an issue typically 300-500 people access it. This occurs over a prolonged period.

## **Since the last AdCom meeting, I have:**

- Redesigned the publications format.

## **What's Next**

1. Maintain operations as-is. More closely review the survey results, especially the narrative comments,
2. Submit publicity to the editors of the *Transactions on Education* and *The Interface* in regard to publishing information about the services that the EdSoc provides.

30 September 2005

**Report for *IEEE Transactions on Education*  
by David A. Conner (Editor-in-Chief)  
and Jerry Ann Conner (Editorial Administrator)  
November 2005**

**Special Issues**

- The November 2005 Special Issue on Web-Based Instruction is on schedule and will contain 25 papers. Rob Reilly, the Special Issue Editor, deserves our deep appreciation for his vision and work in producing this issue.
- The Special Issue on Mobile Technology for Education that will be a part of the May 2006 issue is in the final stages of review and will likely contain five papers.
- The date of this report is the date for the published deadline for submissions for the February 2007 Special Issue on Grid-Based Technologies Applied to Education. Since the Special Issue Editor decided to extend the submission deadline by one week, the number of manuscript submissions for the issue is unknown.

**Other Transactions' Information and Issues**

- The Transactions continues to need (1) an Associate Editor for Digital Signal Processing and Image Processing Education and (2) an Associate Editor for Biomedical Systems Education. Recommendations will be appreciated.
- During the June IEEE Board Series in Chantilly, VA, the IEEE Technical Activities Board (TAB) voted to allow publications to exceed their budgeted page count for the year without penalty if (1) the overage was used to reduce the backlog of manuscripts in the manuscript queue and (2) the overage was essentially distributed uniformly for the remaining issues for the year. Since the Transactions only had two remaining issues, an increase in the page count was petitioned for the August issue to equal the page count anticipated for the November issue which will contain the Web-Based Education Special Issue. The IEEE Publication Staff determined that the Transactions had enough papers ready for publication (i.e., with type set and proofs approved by the authors) that could be included in the August issue to meet TAB's requirements and allowed the Transactions to publish extra pages in both the August and November issues with no financial penalty being incurred to the Educations Society. Hence, an 800+ publication page count for 2005 was allowed for the Transactions.
- The number of manuscripts under review by the Transactions is on the decline as a result of the new criteria placed on published manuscript as a result of the 2003 membership survey that strongly indicated a desire for more education-research-oriented papers in the Transactions – papers that contain meaningful, statistically-sound assessment/evaluation data that supports stated conclusions. Unless potential authors change their writing and education research style, the result will be a decline in publication

backlog over time and, eventually, a reduction in the number of pages published by the Transactions on an annual basis. This situation will need to be tracked over the next year with a review of publication criteria being conducted toward the end of 2006. Consideration of any new, archival, Education Society publication should include a review of this situation.

- As stated in an earlier report, the Editor-in-Chief (EIC) and the Editorial Administrator (EA) plan to step down from their positions in 2007 – specifically on 1 July 2007. The 2006 President and Vice President should plan to initiate a search for a new EIC in the latter part of 2006 so that the new EIC can be involved in a period of transition during the first six months of 2007. The new EIC will have the responsibility of selecting an EA.

## **Report on *The Interface***

From: Bill Sayle, Editor, *The Interface*

To: EdSoc AdCom

Date: 15 October 2005

As a "retired" person with no travel budget, I will not be at FIE 2005. However, I do have a brief report.

The Interface is alive and well. We publish three issues each year, in April, August and November. For the past several years, each issue has been in the hands of most members of the society by the first week of the "issue month". Contributors have been quite good about responding promptly to requests for articles. And, thanks to Rob Reilly, The Interface is usually on line as the printed copies are being mailed.

During the 2000 Society Review, we were criticized for "too much white space" in some issues. These spaces would be filled by IEEE Magazines and Periodicals with advertisements (unpaid) for various IEEE products. Since the 2000 Society Review, I have managed to fill these "otherwise white spaces" with IEEE Education Society and ASEE ECE Division "advertisements or filler articles", such as promotions for our conferences.

We appreciate the support provided by the ECE Division of the ASEE and the Education Society of the IEEE.

One strong recommendation: We need to line up a successor to me as the Editor of The Interface. I have been doing this for almost ten years and it's time for some "fresh young ideas" to "take The Interface to the next level" as they would say...

Hi to everyone!

Bill Sayle

**IEEE RITA (Revista Iberoamericana electrónica de Tecnologías del Aprendizaje)  
(Latin-American Learning Technologies Electronic Journal)**

**ON-GOING REPORT**

Main objectives and declarations:

(1) What is the objective of the proposed publication?

The objective of the magazine is to serve as means of scientific interchange of the different experiences and the research that are being carried out by Spanish and Portuguese speaking investigators in the field of Learning Technologies (LT). These include not only the experiences of the type of IEEE-ToE, but also contributions describing the design and development of new systems intended to address the educational necessities in engineering.

(2) Who is the intended audience of the proposed publication?

The Spanish and Portuguese worldwide speaking community (mainly, but not only, Latin America, Portugal and Spain, and the Spanish and Portuguese North American speakers).

(3) What evidence do you have that the proposed publication will be a financial success?

The main evidence is its low cost. The use of electronic media as the means of diffusion will maintain a low cost structure. Additionally, given the significant number of papers published in IEEE-ToE from Spanish speaking researchers, we expect this publication to be also scientifically relevant.

(4) What is your suggested editorial structure for the proposed publication?

Initially: President (Editor in chief), Vice-President, Secretary and technical members (editorial board).

(5) Could the current IEEE TRANSACTIONS ON EDUCATION (ToE) be restructured to include the objective that you have for the proposed publication? If so, how should the Transactions be restructured? If not, why?

The IEEE ToE does not need to change its current structure. However, a possible change that could be beneficial to both journals could be to include a yearly selection of the best papers of RITA (published in English) in a special issue of IEEE-ToE. The details of the selection and review process would need to be discussed.

We highlight this fact because it would serve as a way to relate both journals of the same Society. This idea can be generalized to other journals that arise, of such form that the special number in CD-ROM could be used as place of encounter of best

articles of those magazines. In summary, the special number in CD-ROM of the IEEE-ToE can act the following as:

1. To serve as point of contact between the different journals and magazines that can arise in the IEEE Education Society, as in the case of RITA, exposing the best appeared articles in English throughout the year. Thus the rest of members of the IEEE can be up to date of which is being published in those other magazines.
2. To serve as a promotion mechanism for other journals and magazines, allowing investigators that publish in RITA the possibility that their work (if it is selected among the best) is also published in IEEE-ToE.

(6) How will publication content be solicited?

There will be a Web devoted to the Electronic Journal that would disseminate the call for articles, as well as will be the repository of the published one. Through mail lists, IEEE Edsoc webs and IEEE Edsoc chapters of Latin America, Portugal and Spain, and if possible, through dissemination in the ToE and The Interface.

(7) If accepted, what changes in Transactions' objectives will be required to ensure that the new publication does not conflict with the new publication?

None. Since both journals (IEEE ToE and IEEE RITA) are written in different languages the conflict between the two is minimal.

## **ADDITIONAL OBSERVATIONS:**

IEEE Latin American Transactions published by the Region 9 would be a good reference in the development of this new publication.

<http://www.ewh.ieee.org/reg/9/etrans/eng/>

**TOPICS:** They would be such that those of the IEEE-ToE, but also extending to the systems of e-Learning (Web-based Education, Collaborative Learning, Scientific Web-based Laboratories and Virtual Labs, Authoring Systems for Web-based Education, Reusable Learning Objects for Educational Purposes, etc.)

**DISTRIBUTION:** It would be an electronic publishing, stored in a Web site. In one first stage it would be of free access and distribution but this consideration could be evaluated after the first working period (probably after two operational years). It would be good that the IEEE provided the hosting of the Web site, to have an IEEE reference as well as to give stability to the publication throughout the time.

**LANGUAGES:** Spanish and Portuguese. Abstracts in English.

**STRUCTURE OF RITA:** It will be published quarterly (FEB, MAY, AUG and NOV) in a basis of 1 volume by year, 4 numbers by volume. Each number will have around 5 papers (this is a tentative number of papers: it will depend of the quality of papers to increase or decrease this number). Each paper will have from 6 to 8 pages, in the standard IEEE publication format

**START-UP AND LAUNCH.** We would have to begin to work as soon as possible. We only need the permission of the IEEE to start up it and the ISSN (provided by IEEE). Later, IEEE should provide web hosting, paper processing access (IEEE manuscript), publicity by its publications and a selection of the best papers into its yearly CD-ROM edition. The first number of RITA tentatively could be MAY 2006. Therefore, we will create a minimum core to launch the first issue. Later, we will evolve according to the number of papers received.

**BUDGET:** We think the costs are minimal and they can be integrated into general function of IEEE ToE (web hosting that could be too included in the IEEE Region 8 Web), IEEE manuscript, ISSN and CD-ROM). The organizational cost (Editorial Board and structure) and reviews will have no cost charges.

**FUTURE AND IEEE EDUCATION SOCIETY BENEFITS:** This could be desirable that in a near future the new Journal could be accessible through IEEE Xplore and in a more future issue could try to have indexed the new electronic Journal, exploring in this way new alternatives to traditional publications that could help the Society to improve the adaptation to change and use of the new electronic media in the publications.



## **ICECE'05 International Conference on Engineering and Computer Education**

*“Building a Common Space for the Education of Engineers”*

*Madrid, Spain, November 13-16 2005*

### **Progress Report**

This report focuses in two aspect of the preparation of ICECE05: quantitative data about paper submissions, reviewed and finally accepted, and about the registrations have been done up to this moment.

### **Call for papers**

As consequence of the Call for Papers:

- Number of papers received: 142 papers.
- All the papers have passed a review process with at least the reports of two reviewers. Reviewers, 41 in total, have been volunteers.
- Number of papers accepted: 103
- Distribution of papers accepted:
  - From Spanish Universities: 74
  - From others countries: 29 (11 from USA, 6 from Brazil, 6 from other European countries, etc.)

### **Advanced/Regular Registration Fees:**

Policies for registration fees distinguish between special fees if the participant:

- Is member of one of the ICECE05 Technical Collaborator Institutes or Societies.
- Makes an early registration.
- Is an student.
- Has been invited by the organization.

Technical program registration includes admission to all technical and plenary sessions, coffee breaks, lunches, sightseeing tour by bus along the main avenues of Madrid, guided walking tour of the old Madrid, including visit of the Royal Palace and City Council's Reception, book of abstracts, one copy of the conference proceedings, and participation certificate and for presentation of works, if it happens.



In particular the fees, in euros, for ICECE05 are:

	Advanced (Extending until September 29th)	Regular (After September 29th)
Member	375,00 €	425,00 €
Non-Member	425,00 €	500,00 €
Full-Time Student	125,00 €	200,00 €

The number of registrations in process up to now (not verified in all the cases the payment through transfer or credit card) is 82. We expect to have around 100 paying registrations, about 10% of students.

The geographical distribution of these registrations is:

- 56 from Spain
- 7 from USA
- 19 from other countries

Edmundo Tovar

Manuel Castro

General Chairman

Co-chairman



UNIVERSIDAD POLITÉCNICA DE MADRID



Institute of Electrical and  
Electronics Engineers-  
Education Society (Spanish  
Chapter)



## **International Conference on Engineering and Computer Education**

13-16 November 2005  
Madrid, Spain

### **SCOPE**

The construction of the "Knowledge Society" is now widely recognised as an irreplaceable factor for human and social progress. This development is able of giving its citizens the necessary competencies to face the new challenges and contribute to reach the awareness of the importance of the shared values and belonging to a common social and culture space. This mission is only obtained through the strengthening of cooperation in educational terms. The creation of Common Spaces for the Higher education in different international geographical areas demonstrates it.

As Europe is currently intensively living the construction of a Higher Education Common Space the topics of the Conference will cover those issues that promote the development of this type of environments. This is the reason why this Conference on Engineering and Computer Education focuses on three tracks:

- Competencies of practice engineers.
- The position of the Education Societies face to the building of Common Spaces for Higher Education
- Accreditation in Engineering

## **PROGRAM (PRELIMINARY as Oct. 1<sup>st</sup>)**

### **Monday Nov, 14. First track "Competencies of practice engineers"**

**8:00 – 9:00**

**Arrivals/Registration**

**9:00 -9:30**

**Opening Ceremony**

- Prof. Javier Uceda, Rector. Universidad Politécnica de Madrid, UPM.
- Prof. Salvador Ordóñez, University State Secretary, Spanish Education and Science Ministry
- Prof. Araceli Maciá Antón. Rector. Universidad Nacional de Educación a Distancia, UNED
- Prof. Edmundo Tovar, General Chair ICECE05.

**10:00- 12:00**

#### **Keynote Lecture**

“Enhancing the Competencies of Manufacturing Engineers through Society of Manufacturing Engineers-Academia-Industry Partnerships”

Prof. Khalil Taraman

Chair of Manufacturing Engineering and Director, Lawrence Technological University

#### **Keynote Lecture**

“XXXXX”

Prof. Richard Newrock

Dean of Engineering, University of Cincinnati

#### **Keynote Lecture**

“XXXXX”

Mr. Luis M. Giménez-Cassina Basagoiti

President – Spanish Institute of Engineering – IIE

#### **Coffee Break**

**12:30 - 13:30**

**Technical Sessions**

**14:00 – 21:00**

**Tapas’ lunch and Guided tour**

**Royal Palace Visit**

**Madrid’ Council Reception**

**Tuesday Nov, 15. Second track: "The position of the Education Societies face to the building of Common Spaces for Higher Education"**

**9:30 – 12:30**

**Keynote Lecture**

- The role of SEFI, European Society for Engineering Education  
Mr. Alfredo Soeiro  
Former President of SEFI

**Keynote Lecture**

- The role of ASEE, American Society for Engineering Education  
Talk of Prof. Sherra Kerns delivered by ???  
President of ASEE

**Coffee Break**

**Keynote Lecture**

- The role of INTERTECH, Interamerican Council on Engineering and Technology Education  
Mr. Muthar Al- Ubaidi  
President of INTERTECH

**Keynote Lecture**

- The role of IEEE-ES, Education Society of The Institute of Electrical and Electronics Engineers  
Prof. Daniel Litynski  
President of IEEE-ES

**13:00 - 14:00**

**Technical Sessions**

**14:00**

**Lunch**

**16:00 - 17:30**

**Technical Sessions**

**17:30 – 19:00**

**Technical Sessions**

**21:00**

**Banquet Dinner**

**Casino de Madrid**

**Wednesday Nov, 16. Third track: "Accreditation in Engineering"  
Plenary sessions**

**9:30 – 11:30**

**Keynote Lecture**

- Accreditation in Engineering  
Prof. Benjamín Suárez  
Assessor of National Agency for Quality Assessment and Accreditation, ANECA

**Keynote Lecture**

- Accreditation Practices in Engineering Education in France  
Mr. René Paul Martin  
C.T.I. Commission des Titres d'Ingénieur, France

**Keynote Lecture**

- Advantages and challenges which the accreditation process with ABET offers to Engineering and Computer Science Programs. Perspective of the Engineering College  
Prof. Ted Batchman  
Dean, College of Engineering, University of Nevada, Reno

**Coffee Break**

**12:00 – 12:30**

**Closing Ceremony**

- Prof. Edmundo Tovar, General Chair ICECE05, and Prof. Manuel Castro, General Co-Chair ICECE05.
- Prof. Francisco Marcellán, Director of ANECA.
- Prof. Jesús González Boticario, Vice-Rector. Universidad Nacional de Educación a Distancia, UNED.
- Prof. Carlos Conde, Vice-Rector. Universidad Politécnica de Madrid, UPM.

**13:00 - 14:00**

**Technical Sessions**

**14:00**

**Lunch**

**16:00 – 18:00**

**Spanish Chapter of the Education Society of IEEE. Round Table**

- Implications of Technology in Education and Quality in the EHEA.
- 6 Madrid' Public Universities Vice-Rectors participation (UPM, UNED, UCM, UAM, UCIM, UAH).

**16:00 - 17:30**

**Technical Sessions**

# VII Congreso TAE "Tecnologías Aplicadas a la Enseñanza de la Electrónica – Technologies Applied to Electronics Teaching –"

Madrid, Spain, July 2006

## The Origins

In 1992, different initiatives inspired by European projects like CTISS (Computer in Teaching Initiative Support Service) were carried out in several Spanish universities. One of these initiatives, already well consolidated, was TAE (Tecnologías Aplicadas a la Enseñanza de la Electrónica – Technologies Applied to Electronics Teaching).

The First Congress was celebrated in 1994 in Madrid, and since then up till now other congresses have been celebrated every two years. These congresses are oriented to Educators related to the Electrical and Electronics areas. In all these congresses there has been an important participation of companies of this sector. The cities of Madrid, Barcelona, Seville, Las Palmas and Valencia, places in which an important electronic industry and prestigious universities exist, have been the sites of the celebrated congresses to date.

In 1998, during the celebration of the III Congress, the participation was opened to the Latin American countries. This situation has been kept in later congresses. The inclusion of Latin American countries was stimulated by the participation of many universities in a program of the European Commission called Alpha.

Different participations of previous editions of the congress are included in [http://www.euitt.upm.es/taee/congresos\\_tae/congresos\\_tae.htm](http://www.euitt.upm.es/taee/congresos_tae/congresos_tae.htm)

In general, it is possible to highlight that the average participation has been around 180 professors and the number of accepted communications has been around 120. The participation of Latin American countries has been approximately of 15%.

Under the acronym of TAE, not only congresses have been celebrated but other initiatives directed to the same objective have taken place. The creation of a "TAE Resource Centre" In this Centre there are gathered the different didactic resources that have been presented in the TAE Congresses or that have been donated by companies or groups of professors. This is a Centre of creation, application, evaluation and diffusion of resources and experiences on the use of the technologies to traditional or distance education. Its objective is the knowledge sharing and the reuse of the educational resources. Further information is in

[http://www.euitt.upm.es/taee/recursos/Centro\\_Recursos\\_TAE.htm](http://www.euitt.upm.es/taee/recursos/Centro_Recursos_TAE.htm)

Now this site is under remodelling trying to allow a better use of the electronic platforms evolving to a complete knowledge resource centre.

## Call for papers

The VII Congress TAE (TAE06) will be celebrated in July 2006 at the Polytechnic University of Madrid. In its organization, as in previous editions, several Spanish and Latin American Universities that are part of the TAE network, and different companies, will collaborate.

It will be similar to previous congresses but it will also try to answer some present questions of great importance. Three main lines of different scopes stand out:

1. The European Space renovation raised by the implantation of the European Space for Higher Education. The Bologna Declaration has created a deep discussion on the approach of the university teaching in all European countries.
2. The renovation of the Spanish university degree titles is being developed now. During 2006, the debate will be focused on the elaboration of proposals coming from the academic world about the structure, rules and minimum contents of the future degrees among which "Electronic Engineering" degree is included.
3. Education using the Internet is undergoing a deep transformation that affects the way in which knowledge is shared. Concepts such as "learning objects" and "digital libraries" offer alternatives that must be analyzed and debated with the purpose of having a more reusable "Resource Centre".

VII TAE Congress will last three days. It will be structured in the following elements:

- Plenary sessions – Round tables.
- Parallel sessions for the presentation of oral papers.
- Parallel sessions for the presentation of posters.
- Distance communication sessions.
- Demonstrations of finished educational products.
- Exhibitions of companies from the Electronics industry.
- Working group sessions.

The main topics of the Congress are the following ones:

- European Space for Higher Education: Methodologies oriented to the learning process. Training in competences. Collaborative work.
- Learning using the Internet: from the TAE Resource Centre to the digital library. The learning objects. The Virtual Laboratories.
- Educational Resources for traditional education: Didactic material. Best practices.

The thematic areas that will be used to organize the collaborations to the congress will be:

- Introduction to the Electronics
- Digital Systems
- Electronic Instrumentation
- Power Electronics
- Technology and Manufacture
- Regulation and Control
- Networks and Systems
- Signals and Communication Systems

The official languages of the congress will be Spanish and English.

## TAAE Program Committee

It consists on outstanding teachers and educators (major part of them professors) of the main Spanish Universities and representatives of Portugal and Latin America.

General Chair: Jesus Arriaga García de Andoaín (Polytechnic University of Madrid)

Co-chair: Fernando Pescador del Oso (Polytechnic University of Madrid)

Juan Domingo Aguilar	University of Jaén, Spain
José M <sup>a</sup> Angulo	University of Deusto, Spain
Gerardo Aranguren	University of País Vasco, Spain
Jesús Arriaga	Polytechnic University of Madrid, Spain
Francisco J. Azcondo	University of Cantabria, Spain
Nuria Barniol	Autónoma University of Barcelona, Spain
Eduardo Boemo	Autónoma University of Madrid, Spain
Roberto Capilla	Polytechnic University of Valencia, Spain
Pedro Carrión	University of Castilla La Mancha, Spain
Gonzalo Casaravilla	República University, Uruguay
Manuel Castro	Spanish University for Distance Education, UNED, Madrid, Spain
José I. Escudero	University of Sevilla, Spain
Enrique Mandado	University of Vigo, Spain
Asunción Morales	University of Las Palmas de Gran Canarias, Spain
Lluis Prat	Polytechnic University of Catalunya, Spain
José Miguel Paez	University of Costa Rica, Costa Rica
Fernando Pescador	Polytechnic University of Madrid, Spain
Tomás Pollán	University of Zaragoza, Spain
Reinaldo Vallejos	Technical University of Santa María, Chile
Oscar Andrés Vivas	University of Cauca Popayan, Colombia
Manuela Vieira	Engineering Institute of Lisbon (ISEL), Portugal

The local committee is integrated by different members from the Polytechnic University of Madrid (<http://www.euitt.upm.es/taee/>)



## Proposal to the IEEE-ES AdCOM

The organizers assure to match the actions expected for Conference Organizers according to the agreements of technical co-sponsorship (June 3, 2004), with exception of the first one because the organizers of VII Congress TAEF have recently specified some of the aspects of this call and the decision to ask for the "co-sponsorship" has been made in the last meeting of the TAEF Committee, celebrated the last month of September.

This accidental situation would not allow TAEF to benefit of all the potential services offered by IEEE-ES when technical co-sponsorship. In any case:

1. Conference organizers assume all financial responsibility for the TAEF'06. Technical co-sponsorship with TAEF'06 by the IEEE Education Society entails no financial responsibility for the conference by the IEEE Education Society.
2. Conference organizers engage to display the IEEE logo on all publicity, Web sites, correspondence, signage, and publications for the conference. In addition, all publications and publicity related to TAEF'06 will mention explicitly technical co-sponsorship with the IEEE Education Society.
3. During the conference, conference organizers will provide membership application forms for the IEEE Education Society to all attendees, as well as distribute related promotional material provided by the Society. This conference is organized along with the Polytechnic University of Madrid, by the Spanish Chapter of the IEEE-ES. The Conference Program includes promotional activities as the regular meeting of this chapter.
4. Conference organizers will provide a booth or table in a prominent place at the conference to the IEEE Education Society for promotion of the Society's products and programs, such as the IEEE Transactions on Education, the Frontiers in Education Conference, and other conferences identified by the Society.
5. For one representative of the IEEE Education Society, the chief liaison, the conference organizers (a) waive the conference registration fee, and (b) provide a room in the conference hotel during the conference.
6. The conference organizers make every effort to contribute 5% of gross receipts from registration fees for the conference to the IEEE Education Society to offset costs for activities by the Society related to the conference.
7. The conference organizers will constitute a special committee to have the two best papers identified and selected from the conference for revision and submission, by the author(s), to the IEEE Transactions on Education for review and possible publication.
8. The conference organizers, in cooperation with the chief liaison from the IEEE Education Society, will present a timely evaluation of the conference to the Administrative Committee of the IEEE Education Society.
9. The conference organizers provide the IEEE Education Society a list (preferably in electronic format) of conference participants (presenters, exhibitors, attendees, etc.), with the affiliation, membership status in both the IEEE and the Education Society, and e-mail addresses for each one.

Besides the organizers would like to publish the proceedings of the conference by the IEEE.

By this reason, we formally ask for IEEE-ES the recognition of “Technical Co-Sponsorship” for TAAE’06 as soon as possible.

Jesús Arriaga  
General Chairman

Fernando Pescador  
Co-chairman



## **Actions Expected of the IEEE Education Society**

1. The IEEE Education Society publicizes the conference, at least once, in its newsletter, which goes not only to all members of the Society, but also to all heads or chairs of EE and ECE departments within the United States and to all members of the ECE Division of the American Society for Engineering Education.
2. The IEEE Education Society certifies technical co-sponsorship with the conference so that the conference may contract for any subset of conference management services (including online registration, etc.) available from IEEE Conference Services.
3. The IEEE Education Society identifies a representative, normally an officer or member of the Administrative Committee, to serve as chief liaison between the conference and the Society. This person provides an assessment report of the conference to the Administrative Committee of the Society.
4. The IEEE Education Society supports conference organizers by identifying qualified persons to serve on the conference program committee.
5. The IEEE Education Society makes every effort to allocate funds for round-trip coach airfare for one representative of the IEEE Education Society to attend the conference as chief liaison.



**CONSELHO DE PESQUISAS  
EM EDUCAÇÃO E CIÊNCIAS**  
C.N.P.J. 05.393691/0001-54

**WCCSETE'2006**  
**World Congress on Computer Sciences, Engineering and Technology  
Education**

**Technical Cooperation**

The organizers of WCCSETE'2006 - World Congress on Computer Sciences, Engineering and Technology Education, COPEC – Council of Researches in Education and Sciences, propose technical cooperation to IEEE-EdSoc – IEEE Education Society

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**The Congress**

The WCCSETE'2006 – World Congress on Computer Science, Engineering and Technology Education that will be held in Itanhaém / Santos, Brazil from March 19 to March 22, 2006. The Theme of the Congress is: "**New Engineering to a New World**".

The emerging global economy has brought deep transformation in all the areas of human life. This was possible thanks to the development of the Science and Technology that promoted the communications as well as the increase of the capacity of information storage that facilitated the knowledge acquisition in all the areas, in a such way as never before in humanity's history.

The WCCSETE – World Congress on Computer Science, Engineering and Technology Education has as its first goal to promote and discuss the latest innovations in these fields. It is a great opportunity for all the professionals and researchers of these areas to share ideas and to learn more about the newest developments and researches.

Universities, researchers and institutes of researches, world specialists of the areas, politicians engaged with the scientific and technological development of the countries, they are all gathered in this event. Besides its social and cultural program, it offers workshops, interactive special sessions and plenary sessions with speakers from several countries when the participants can have a vision of the kaleidoscope that such current and interesting theme provides. All papers are peer-reviewed for an international review board and the official languages are English, Spanish and Portuguese.

The host is Catholic University of Santos - UNISANTOS.

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**The Organizer**

The Council of Researches in Education and Sciences – COPEC is constituted by scientists of the several areas of human knowledge and citizens committed with education. Citizens and scientists who believe that education is the main beam in the construction of a better society and that also believe in research and in the development of sciences and technology as the big agents in the fostering of progress and the welfare of human being.



It is a council, which works have the goal to enhance and to maintain relations between universities, institutions of education, enterprises and the society of the several countries for the discussion of education, technology and sciences directions.

COPEC is an organization that works visioning the future. It works to stimulate and to foster the efforts to bring an international perspective in education. It aims to establish and maintain the interchange among institutions, educators of educational institutions in Brazil and in the several countries worldwide. It is a council that seeks the improvement of communication and the interchange of researches in education field and sciences between the countries. It also aims the development of an apprenticeship community and the development of education and sciences areas constituting in an intelligent way of collective knowledge for the integration with social and economic agents of community.

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**Technical Cooperation entails no financial responsibility by IEEE-EDSOC.**

In any case:

- The organizers engage to display the IEEE-EdSoc logo on all publicity material, including web site;
- all publications and publicity related to WCCSETE will mention explicitly technical cooperation with IEEE-EdSoc;
- if desired, congress organizers can distribute application forms for IEEE-EDSOC to all attendees, as well as distribute related promotional material provided by the Society;
- the organizers will provide a discount in registration fee for IEEE-EDSOC associated members;
- for one representative of IEEE-EdSoc, the congress organizers waive the congress registration fee.

Actions expected of IEEE-EdSoc entail:

- Publicizing the congress at least once, in its newsletter;
- to send a representative to participate at the Congress;
- to support congress organizers by identifying qualified persons to serve on the congress program committee.

The organizers formally ask for IEEE-EdSoc the recognition of Technical Cooperation for WCCSETE'2006.

Prof. Dr. Claudio da Rocha Brito  
General Chair of WCCSETE'2006



**CONSELHO DE PESQUISAS  
EM EDUCAÇÃO E CIÊNCIAS**  
C.N.P.J. 05.393691/0001-54

**EHWC'2006  
Environmental and Health World Congress**

**Technical Cooperation**

The organizers of EHWC'2006 - Environmental and Health World Congress, COPEC – Council of Researches in Education and Sciences, propose technical cooperation to IEEE-EdSoc – IEEE Education Society

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**The Congress**

EHWC'2006 - Environmental and Health World Congress will be held in the city of Santos on July 16 to 19, 2006. This Congress will promote a forum for the discussions about researches and the most recent developments in the improvement of the environment and quality of life. EHWC'2006 will bring to Santos everything that is being accomplished in the areas of Environment and Health in the world. On this occasion at the beginning of century, the beginning of a new millennium, whose possibilities seems to be unlimited for the development of the Science and Technology, the knowledge becomes the man's main workforce. In this scenery, EHWC'2006 comes to promote not only a deep reflection about the environment and health but also how to bring new ideas for the increment of the professionals' of the new millennium. The ideas, opinions and professionals' contributions can be presented through Lectures with international specialists in their areas of performance, Plenary Sessions, Presentations of works and Workshops. There will be an opening session with the promoters' of the event participation and several authorities. At the end, in a closing session, the main results of the event will be presented. The host is Catholic University of Santos - UNISANTOS.

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**The Organizer**

The Council of Researches in Education and Sciences – COPEC is constituted by scientists of the several areas of human knowledge and citizens committed with education. Citizens and scientists who believe that education is the main beam in the construction of a better society and that also believe in research and in the development of sciences and technology as the big agents in the fostering of progress and the welfare of human being.

It is a council, which works have the goal to enhance and to maintain relations between universities, institutions of education, enterprises and the society of the several countries for the discussion of education, technology and sciences directions.

COPEC is an organization that works visioning the future. It works to stimulate and to foster the efforts to bring an international perspective in education. It aims to establish and maintain the interchange among institutions, educators of educational institutions in Brazil and in the several countries worldwide. It is a council that seeks the improvement of communication and the interchange of



researches in education field and sciences between the countries. It also aims the development of an apprenticeship community and the development of education and sciences areas constituting in an intelligent way of collective knowledge for the integration with social and economic agents of community.

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**Technical Cooperation entails no financial responsibility by IEEE-EDSOC.**  
In any case:

- The organizers engage to display the IEEE-EdSoc logo on all publicity material, including web site;
- all publications and publicity related to EHWC'2006 will mention explicitly technical cooperation with IEEE-EdSoc;
- if desired, congress organizers can distribute application forms for IEEE-EDSOC to all attendees, as well as distribute related promotional material provided by the Society;
- the organizers will provide a discount in registration fee for IEEE-EdSoC associated members;
- for one representative of IEEE-EdSoc, the congress organizers waive the congress registration fee.

Actions expected of IEEE-EdSoc entail:

- Publicizing the congress at least once, in its newsletter;
- to send a representative to participate at the Congress;
- to support congress organizers by identifying qualified persons to serve on the congress program committee.

The organizers formally ask for IEEE-EdSoc the recognition of Technical Cooperation for EHWC'2006

Prof. Dr. Claudio da Rocha Brito  
General Chair of EHWC'2006 '2006



**GCMM'2006  
Global Congress on Manufacturing and Management**

**Technical Cooperation**

GCMM'2006 - Global Congress on Manufacturing and Management, COPEC – Council of Researches in Education and Sciences, propose technical cooperation to IEEE-EdSoc – IEEE Education Society

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**The Congress**

GCMM'2006 - Global Congress on Manufacturing and Management that will be accomplished from 19 to November 22, 2006, in the Atlantic Coast Region! A privileged place where all those who live here and those who come here can enjoy its prodigal nature with all the comfort that the modern cities offer.

The 2006 Global Congress on Manufacturing and Management -GCMM'2006 continues to promote the widespread dissemination of innovations that improve manufacturing, management, engineering, and technology. GCMM is a major bi-annual international conference devoted to improvements in those areas. It is an ideal forum for sharing ideas, learning about new developments and interacting with other colleagues. Manufacturing and management faces significant challenges, such as rapidly evolving technologies, globalization, and formation of professionals, demographics, and problems associated with funding researches. Moreover, the rapidly emerging global economy is profoundly affecting the employment patterns and the professional life of graduates. Articles in recent issues of some magazines and literature suggest that current educational practices and policies are not sufficient for dealing with global changes. Successfully addressing these issues will require innovative solutions and GCMM is breeding ground to discussions and seeking of these solutions.

This edition of International Conference is being organized by COPEC – Council of Researches in Education and Sciences, It is a council, that was established to enhance and to maintain relations between academics, institutions, enterprises and the society of the several countries for the discussion of education, technology and sciences directions.

An international examining committee appraises the works presented. The official languages are English, Spanish and Portuguese. Besides its social and cultural program, it offers workshops, special sessions and plenary sessions with speakers from several countries when the participants can have a vision of the kaleidoscope that such current and interesting theme provides.

In this event we are going all to add efforts to give our contributions for the directions of the researches in this field having in view the improvement of the society as a whole.

The host is Catholic University of Santos – UNISANTOS, the most traditional one in the region.





## The Organizer

The Council of Researches in Education and Sciences – COPEC is constituted by scientists of the several areas of human knowledge and citizens committed with education. Citizens and scientists who believe that education is the main beam in the construction of a better society and that also believe in research and in the development of sciences and technology as the big agents in the fostering of progress and the welfare of human being.

It is a council, which works have the goal to enhance and to maintain relations between universities, institutions of education, enterprises and the society of the several countries for the discussion of education, technology and sciences directions.

COPEC is an organization that works visioning the future. It works to stimulate and to foster the efforts to bring an international perspective in education. It aims to establish and maintain the interchange among institutions, educators of educational institutions in Brazil and in the several countries worldwide. It is a council that seeks the improvement of communication and the interchange of researches in education field and sciences between the countries. It also aims the development of an apprenticeship community and the development of education and sciences areas constituting in an intelligent way of collective knowledge for the integration with social and economic agents of community.

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**Technical Cooperation entails no financial responsibility by IEEE-EDSOC.**  
In any case:

- The organizers engage to display the IEEE-EdSoc logo on all publicity material, including web site;
- all publications and publicity related to GCMM'2006 will mention explicitly technical cooperation with IEEE-EdSoc;
- if desired, congress organizers can distribute application forms for IEEE-EDSOC to all attendees, as well as distribute related promotional material provided by the Society;
- the organizers will provide a discount in registration fee for IEEE-EDSOC associated members;
- for one representative of IEEE-EdSoc, the congress organizers waive the congress registration fee.

Actions expected of IEEE-EdSoc entail:

- Publicizing the congress at least once, in its newsletter;
- to send a representative to participate at the Congress;
- to support congress organizers by identifying qualified persons to serve on the congress program committee.

The organizers formally ask for IEEE-EdSoc the recognition of Technical Cooperation for GCMM'2006.



**CONSELHO DE PESQUISAS  
EM EDUCAÇÃO E CIÊNCIAS**  
C.N.P.J. 05.393691/0001-54

Prof. Dr. Claudio da Rocha Brito  
General Chair of GCMM'2006



The IEEE Membership Development staff and volunteers were immensely saddened to hear of the massive devastation brought about by the recent natural disasters in both Pakistan and Guatemala. There are IEEE members in both of these countries, and we extend to them and their families our sincerest hopes for their well being. Our prayers go out to all affected by these catastrophes.

### INSIDE THIS ISSUE

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### Status Quo for Membership in September

**T**otal IEEE membership grew by 6,319 members from last month to reach a new level of 350,274. The increase is comprised primarily of 5,277 new members who joined in September, and 989 reinstatements.

While this is a robust increase, it is nearly identical to the increase we saw in September 2004 (+6,309 members), and therefore the annual percentage change in membership remains the same as it was last month (+0.2%). Region 6 continues to hold a slight lead over Region 10 as the largest IEEE Region - 58,683 members versus 58,000 - however both these Regions, along with the five other U.S. Regions, are unfortunately showing declines in their membership totals for this year.

Membership Snapshot		
	Sept. 2005	% Change
<b>Total Membership</b>	<b>350,274</b>	<b>0.2%</b>
- Higher Grade	282,684	-1.5%
- Students	67,590	8.4%
<b>Society Memberships</b>	<b>344,592</b>	<b>-2.4%</b>

**Higher Grade membership** now stands at 282,684. This is down 1.5% from a year ago, which is a slight improvement on the 1.6% decline reported last month. Geographically the Higher Grade results remain essentially the same as they have for the past several months - with the exception of a continuing downward trend in Region 10. As recently as April 2005, Region 10 was showing an annual increase of 0.6% in its Higher Grade membership. Since then the Region's performance has steadily declined to where, as of September, it is nearly 6% below a year ago.

**Student memberships** continued on their strong pace with an 8.4% gain over last September. Student membership totals are up in seven of the ten IEEE Regions, including double-digit increases in Regions 8, 9 and 10.

**Society memberships** also remained status quo from August with a 2.4% year-to-year decline. However, the decline would be even worse were it not for a 3,600 increase in Student memberships in the Computer Society. The Computer Society gains are primarily the result of a Student membership promotion the Society has been running in Region 9. This is a trial program and the full benefits will not be known until the retention of these students is examined next year.

The Membership Development Progress Report is issued monthly on behalf of the IEEE Membership Development Committee - Dr. Moshe Kam, 2005 Chair

## Special Online Renewal Incentive – Spread the Word

IEEE members who renew their IEEE membership **online** by 15 November 2005 will be entered into a drawing for a chance to win a new Dell™ Inspiron™ laptop computer! Please be sure to let your members know of this special promotion.

Some restrictions do apply. You can check out the complete details of the Dell Inspiron offer at the online renewal site at: <http://www.ieee.org/renewal>. (You can also renew your membership while you are there. ☺ )



Membership for 2006 has several new offerings available, including:

- **2 New Councils** - IEEE Council on Electronic Design Automation; IEEE Systems Council
- **5 New Publications** - IEEE Computational Intelligence Magazine; IEEE Computer Architecture Letters; IEEE Transactions on Information Forensics and Security; IEEE Journal on Product Safety Engineering; IEEE Vehicular Technology Magazine
- **A New Digital Library** - IEEE Industry Applications Conference Digital Library
- **New Electronic Access** - All members now receive online access to IEEE Potentials magazine via Xplore®

Information on all the 2006 membership options and publications is available in the *2006 IEEE Special Interest Memberships & Subscriptions Catalog*. This booklet is available online in PDF format at: <http://www.ieee.org/membership/renewal/customize.xml>. Versions are available for both Higher Grade members and for Students.

## Think of a Number between One and Ten

Some IEEE Divisions have expressed a concern that their names no longer accurately represent the technical areas they cover. In response, the IEEE Technical Activities Board has established that Divisions may choose to be referred to solely by their number.

As a result, four (4) divisions (I, II, VI and X) have elected to be known only by their IEEE Division number. The remaining Divisions have opted to retain both their number and name. Division designations are now as follows:

- Division I
- Division II
- Division III – Communications Technology
- Division IV – Electromagnetic and Radiation
- Division V - Computer
- Division VI
- Division VII – Energy and Power Engineering
- Division VIII – Computer
- Division IX – Signals and Applications
- Division X

Go to <http://www.ieee.org/societies> for a listing of all IEEE Societies and technical Councils, as well as a list of which Societies/Councils fall under each Division. You will also find a link to a web page that contains the “Fields of Interest” for each Society and Council.

## Help Keep SAMIEEE Data Up-to-Date!

**D**id you know that as a Membership Development Officer you can report member data corrections on behalf of a member in your organizational unit (Society, Section, Chapter, Affinity Group)? To report corrections, go to <http://www.ieee.org/organizations/vols/samieeee/corrections.html> and look for the link to the “Contact IEEE” web form. Simply follow the directions on the page and make sure that you have all the information regarding the correction that needs to be made. A confirmation email will be provided when the change has been completed.

## New Look and Features for IEEE Spectrum Online

**T**he online version of IEEE Spectrum has taken on a new look and has added several new interactive features that will interest professionals looking for industry technical information. The new features include:

- **IEEE Spectrum Radio** – a monthly program that discusses the impact of new technology developments. Members can stream Spectrum Radio or download an mp3 file for more leisurely listening.
- **A “Tech Talk” blog** – an ongoing, daily blog discussing topics of interest to electrical and electronics engineering professionals.
- **RSS headline feeds** – you choose an industry to review six top articles selected by IEEE Spectrum editors and register for an RSS news feed on future articles related to a list of industries.
- **Sample articles** from the IEEE digital library via IEEE Xplore®
- **Webcasts and online events** – interactive presentations from leading companies in the electronics industry.
- **Newsletters** – sign up for any of the eleven, free IEEE newsletters, including the IEEE Spectrum Career Alert, the IEEE Spectrum Tech Alert, or the IEEE-USA’s Eye on Washington.



Please visit the new online IEEE Spectrum at: <http://www.spectrum.ieee.org>.

## Last Chance to Meet 2005 Senior Member Goals

The eighth and final Senior Member Review Panel for 2005 will be held in Orlando, FL, on 12 November 2005. The first seven Review Panels have achieved 75.3% of the elevation goal set by the Membership Development Committee for this year. In order to fully meet the goal we will need to have nearly 600 elevation applications at the November session (which would make it the largest session ever). The applications need to be complete, and all documents must be received in Piscataway no later than 4 November 2005 in order to be processed in time to reach this meeting.

Below is the current status of Senior Member elevations by Region. Our congratulations to Region 3 (Southeast USA) for having already reached their 2005 goal.

Region	Goal	Actual	% of Goal	Region	Goal	Actual	% of Goal
R1	285	195	68.4%	R7	97	91	93.8%
R2	243	145	59.7%	R8	323	304	94.1%
R3	206	206	100.0%	R9	49	43	87.8%
R4	169	153	90.5%	R10	366	250	68.3%
R5	212	118	55.7%	<b>Total Non-US</b>	<b>835</b>	<b>688</b>	<b>82.4%</b>
R6	450	301	66.9%				
<b>Total US</b>	<b>1565</b>	<b>1118</b>	<b>71.4%</b>	<b>Total IEEE</b>	<b>2400</b>	<b>1806</b>	<b>75.3%</b>

**Geographic IEEE Membership Summary September 2005**

Region	Higher Grade Members		Change		Student Members		Change		Total Members		Change	
	2005	2004	#	%	2005	2004	#	%	2005	2004	#	%
1	34,478	35,542	-1,064	-3.0%	3,657	3,563	94	2.6%	38,135	39,105	-970	-2.5%
2	29,164	29,756	-592	-2.0%	3,477	3,452	25	0.7%	32,641	33,208	-567	-1.7%
3	25,001	25,291	-290	-1.1%	4,472	4,374	98	2.2%	29,473	29,665	-192	-0.6%
4	19,737	20,112	-375	-1.9%	3,811	3,876	-65	-1.7%	23,548	23,988	-440	-1.8%
5	24,498	24,838	-340	-1.4%	4,176	4,312	-136	-3.2%	28,674	29,150	-476	-1.6%
6	52,438	53,112	-674	-1.3%	6,245	6,476	-231	-3.6%	58,683	59,588	-905	-1.5%
<b>US</b>	<b>185,316</b>	<b>188,651</b>	<b>-3,335</b>	<b>-1.8%</b>	<b>25,838</b>	<b>26,053</b>	<b>-215</b>	<b>-0.8%</b>	<b>211,154</b>	<b>214,704</b>	<b>-3,550</b>	<b>-1.7%</b>
7	11,698	11,652	46	0.4%	2,948	2,773	175	6.3%	14,646	14,425	221	1.5%
8	39,840	38,724	1,116	2.9%	13,502	11,631	1,871	16.1%	53,342	50,355	2,987	5.9%
9	6,026	5,742	284	4.9%	7,106	5,578	1,528	27.4%	13,132	11,320	1,812	16.0%
10	39,804	42,309	-2,505	-5.9%	18,196	16,323	1,873	11.5%	58,000	58,632	-632	-1.1%
<b>Non-US</b>	<b>97,368</b>	<b>98,427</b>	<b>-1,059</b>	<b>-1.1%</b>	<b>41,752</b>	<b>36,305</b>	<b>5,447</b>	<b>15.0%</b>	<b>139,120</b>	<b>134,732</b>	<b>4,388</b>	<b>3.3%</b>
<b>Total</b>	<b>282,684</b>	<b>287,078</b>	<b>-4,394</b>	<b>-1.5%</b>	<b>67,590</b>	<b>62,358</b>	<b>5,232</b>	<b>8.4%</b>	<b>350,274</b>	<b>349,436</b>	<b>838</b>	<b>0.2%</b>

**MEMBERSHIP TOTALS BY GRADE**

MEMBERSHIP TOTALS BY GRADE				
Sep-05				
Grade	Active Sep 2005	Active Sep 2004	Gain/Loss	% Gain/Loss
Honorary	7	24	-17	-70.8%
Fellow	5,773	5,667	106	1.9%
Senior Member	27,509	26,578	931	3.5%
Member	225,222	229,497	-4,275	-1.9%
Associate	24,173	25,312	-1,139	-4.5%
Student	67,590	62,358	5,232	8.4%
<b>Total</b>	<b>350,274</b>	<b>349,436</b>	<b>838</b>	<b>0.2%</b>
Affiliates	25,139	24,634	505	2.1%

Due to an administrative oversight, this month's report is showing just 7 Honorary Members, rather than the actual current total of 25. The error will be corrected with October's report.

**WOMEN IN ENGINEERING**

Grade	Sep-05	Sep-04	Change	% Change
Fellow	25	18	7	38.9%
Life member*	54	41	13	31.7%
Sr. Member	151	130	21	16.2%
Member	2,088	2,282	-194	-8.5%
Associate	315	259	56	21.6%
Student*	7,249	6,482	767	11.8%
<b>Total</b>	<b>9,882</b>	<b>9,212</b>	<b>670</b>	<b>7.3%</b>

\* Membership in WIE is free for Life Members and Students

**MEMBERSHIP BY DUES CATEGORY\***

Category	Aug-05	Aug-04	Change	% Change
Minimum Income	13,594	15,460	-1,866	-12.1%
Unemployed	6,271	7,734	-1,463	-18.9%
Retired	5,004	4,630	374	8.1%
Recent Grad	8,022	7,742	280	3.6%
Students	77,680	74,433	3,247	4.4%
Life members	24,393	24,663	-270	-1.1%
Full Dues Paying	209,453	210,693	-1,240	-0.6%

Above data is for the 2005 Dues Year (Sep 04 - Aug -05). Information for the 2006 Dues Year will be provided beginning with the Jan. 2006 MD Progress Report

**STANDARDS ASSOCIATION MEMBERSHIP**

Grade	Sep-05	Sep-04	Change	% Change
Students	161	222	-61	-27.5%
HG Members	6,910	7,168	-258	-3.6%
Affiliates	190	226	-36	-15.9%
<b>Total</b>	<b>7,261</b>	<b>7,616</b>	<b>-355</b>	<b>-4.7%</b>

**IEEE Society Membership Totals as of September 2005**

	IEEE Higher Grade Members		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals		Change	
	2005	2004	#	%	2005	2004	#	%	2005	2004	#	%	2005	2004	#	%
<b>IEEE Societies</b>																
<b>DIVISION I</b>																
Circuits & Systems	10,187	10,904	-717	-6.6%	1,262	1,377	-115	-8.4%	21	27	-6	-22.2%	11,470	12,308	-838	-6.8%
Components, Packaging & Mfg Tech	2,763	2,898	-135	-4.7%	145	186	-41	-22.0%	6	8	-2	-25.0%	2,914	3,092	-178	-5.8%
Electron Devices	10,410	10,614	-204	-1.9%	778	843	-65	-7.7%	29	19	10	52.6%	11,217	11,476	-259	-2.3%
Lasers & Electro-Optics	6,337	6,702	-365	-5.4%	1,111	1,257	-146	-11.6%	64	80	-16	-20.0%	7,512	8,039	-527	-6.6%
Solid-State Circuits	10,825	11,065	-240	-2.2%	1,048	1,192	-144	-12.1%	26	29	-3	-10.3%	11,899	12,286	-387	-3.1%
<b>Subtotal</b>	<b>40,522</b>	<b>42,183</b>	<b>-1,661</b>	<b>-3.9%</b>	<b>4,344</b>	<b>4,855</b>	<b>-511</b>	<b>-10.5%</b>	<b>146</b>	<b>163</b>	<b>-17</b>	<b>-10.4%</b>	<b>45,012</b>	<b>47,201</b>	<b>-2,189</b>	<b>-4.6%</b>
<b>DIVISION II</b>																
Dielectrics & Electrical Insulation	1,825	1,907	-82	-4.3%	80	94	-14	-14.9%	4	3	1	33.3%	1,909	2,004	-95	-4.7%
Industry Applications	9,128	9,411	-283	-3.0%	337	429	-92	-21.4%	7	8	-1	-12.5%	9,472	9,848	-376	-3.8%
Instrumentation & Measurements	3,922	4,025	-103	-2.6%	260	270	-10	-3.7%	8	12	-4	-33.3%	4,190	4,307	-117	-2.7%
Power Electronics	4,999	5,003	-4	-0.1%	472	507	-35	-6.9%	3	4	-1	-25.0%	5,474	5,514	-40	-0.7%
<b>Subtotal</b>	<b>19,874</b>	<b>20,346</b>	<b>-472</b>	<b>-2.3%</b>	<b>1,149</b>	<b>1,300</b>	<b>-151</b>	<b>-11.6%</b>	<b>22</b>	<b>27</b>	<b>-5</b>	<b>-18.5%</b>	<b>21,045</b>	<b>21,673</b>	<b>-628</b>	<b>-2.9%</b>
<b>DIVISION III - Communications</b>																
Communications	38,663	43,422	-4,759	-11.0%	7,740	9,093	-1,353	-14.9%	319	331	-12	-3.6%	46,722	52,846	-6,124	-11.6%
<b>DIVISION IV - Electromagnetic Compatibility</b>																
Antennas & Propagation	7,112	7,152	-40	-0.6%	794	793	1	0.1%	9	5	4	80.0%	7,915	7,950	-35	-0.4%
Broadcast Technology	1,772	1,775	-3	-0.2%	135	160	-25	-15.6%	12	7	5	71.4%	1,919	1,942	-23	-1.2%
Consumer Electronics	2,845	2,839	6	0.2%	205	259	-54	-20.8%	14	8	6	75.0%	3,064	3,106	-42	-1.4%
Electromagnetic Compatibility	3,954	4,038	-84	-2.1%	196	199	-3	-1.5%	4	4	0	0.0%	4,154	4,241	-87	-2.1%
Magnetics	2,569	2,572	-3	-0.1%	236	218	18	8.3%	27	26	1	3.8%	2,832	2,816	16	0.6%
Microwave Theory & Techniques	10,549	10,652	-103	-1.0%	1,107	1,140	-33	-2.9%	5	5	0	0.0%	11,661	11,797	-136	-1.2%
Nuclear & Plasma Sciences	2,539	2,613	-74	-2.8%	180	201	-21	-10.4%	43	43	0	0.0%	2,762	2,857	-95	-3.3%
<b>Subtotal</b>	<b>31,340</b>	<b>31,641</b>	<b>-301</b>	<b>-1.0%</b>	<b>2,853</b>	<b>2,970</b>	<b>-117</b>	<b>-3.9%</b>	<b>114</b>	<b>98</b>	<b>16</b>	<b>16.3%</b>	<b>34,307</b>	<b>34,709</b>	<b>-402</b>	<b>-1.2%</b>
<b>DIVISION V/VIII - Computer</b>																
Computer	57,632	59,583	-1,951	-3.3%	10,605	6,995	3610	51.6%	23,661	23,132	529	2.3%	91,898	89,710	2,188	2.4%
<b>DIVISION VI</b>																
Education	2,841	2,831	10	0.4%	205	187	18	9.6%	25	23	2	8.7%	3,071	3,041	30	1.0%
Engineering Management	5,680	5,818	-138	-2.4%	346	376	-30	-8.0%	71	78	-7	-9.0%	6,097	6,272	-175	-2.8%
Product Safety Engineering	503	379	124	32.7%	12	13	-1	-7.7%	0	1	-1		515	393	122	31.0%
Professional Communication	1,015	1,110	-95	-8.6%	84	103	-19	-18.4%	92	123	-31	-25.2%	1,191	1,336	-145	-10.9%
Reliability	1,904	1,944	-40	-2.1%	62	75	-13	-17.3%	11	7	4	57.1%	1,977	2,026	-49	-2.4%
Social Implications of Technology	1,869	1,921	-52	-2.7%	130	146	-16	-11.0%	27	25	2	8.0%	2,026	2,092	-66	-3.2%
<b>Subtotal</b>	<b>13,812</b>	<b>14,003</b>	<b>-191</b>	<b>-1.4%</b>	<b>839</b>	<b>900</b>	<b>-61</b>	<b>-6.8%</b>	<b>226</b>	<b>257</b>	<b>-31</b>	<b>-12.1%</b>	<b>14,877</b>	<b>15,160</b>	<b>-283</b>	<b>-1.9%</b>
<b>DIVISION VII - Power Engineering</b>																
Power Engineering	19,809	19,790	19	0.1%	1,024	1,198	-174	-14.5%	34	41	-7	-17.1%	20,867	21,029	-162	-0.8%

**IEEE Society Membership Totals as of September 2005**

	IEEE Higher Grade Members		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals		Change	
	2005	2004	#	%	2005	2004	#	%	2005	2004	#	%	2005	2004	#	%
<b>IEEE Societies</b>																
<b>DIVISION IX - Signals &amp; Applications</b>																
Aerospace & Electronic Systems	4,485	4,573	-88	-1.9%	349	414	-65	-15.7%	19	20	-1	-5.0%	4,853	5,007	-154	-3.1%
Geoscience & Remote Sensing	2,246	2,264	-18	-0.8%	281	296	-15	-5.1%	185	135	50	37.0%	2,712	2,695	17	0.6%
Oceanic Engineering	1,448	1,424	24	1.7%	103	139	-36	-25.9%	7	5	2	40.0%	1,558	1,568	-10	-0.6%
Signal Processing	13,581	13,785	-204	-1.5%	1,533	1,755	-222	-12.6%	67	69	-2	-2.9%	15,181	15,609	-428	-2.7%
Ultrasonics, Ferroelectrics, Freq Ctrl	1,983	1,996	-13	-0.7%	179	173	6	3.5%	4	5	-1	-20.0%	2,166	2,174	-8	-0.4%
Vehicular Technology	3,709	3,964	-255	-6.4%	354	469	-115	-24.5%	5	6	-1	-16.7%	4,068	4,439	-371	-8.4%
<b>Subtotal</b>	<b>27,452</b>	<b>28,006</b>	<b>-554</b>	<b>-2.0%</b>	<b>2,799</b>	<b>3,246</b>	<b>-447</b>	<b>-13.8%</b>	<b>287</b>	<b>240</b>	<b>47</b>	<b>19.6%</b>	<b>30,538</b>	<b>31,492</b>	<b>-954</b>	<b>-3.0%</b>
<b>DIVISION X</b>																
Computational Intelligence	4,453	4,327	126	2.9%	832	860	-28	-3.3%	102	110	-8	-7.3%	5,387	5,297	90	1.7%
Control Systems	7,315	7,552	-237	-3.1%	992	1,053	-61	-5.8%	13	20	-7	-35.0%	8,320	8,625	-305	-3.5%
Engineering in Medicine & Biology	6,366	6,368	-2	0.0%	1,285	1,254	31	2.5%	92	94	-2	-2.1%	7,743	7,716	27	0.3%
Industrial Electronics	3,190	3,264	-74	-2.3%	404	403	1	0.2%	3	4	-1	-25.0%	3,597	3,671	-74	-2.0%
Information Theory	3,245	3,482	-237	-6.8%	415	528	-113	-21.4%	14	18	-4	-22.2%	3,674	4,028	-354	-8.8%
Intelligent Transportation Systems	800	14	786	5614.3%	74	3	71	2366.7%	15	0	15		889	17	872	5129.4%
Robotics & Automation	4,585	4,528	57	1.3%	1,394	1,354	40	3.0%	46	49	-3	-6.1%	6,025	5,931	94	1.6%
Systems, Man & Cybernetics	3,258	3,318	-60	-1.8%	388	440	-52	-11.8%	45	50	-5	-10.0%	3,691	3,808	-117	-3.1%
<b>Subtotal</b>	<b>33,212</b>	<b>32,853</b>	<b>359</b>	<b>1.1%</b>	<b>5,784</b>	<b>5,895</b>	<b>-111</b>	<b>-1.9%</b>	<b>330</b>	<b>345</b>	<b>-15</b>	<b>-4.3%</b>	<b>39,326</b>	<b>39,093</b>	<b>233</b>	<b>0.6%</b>
<b>GRAND TOTAL</b>	<b>282,316</b>	<b>291,827</b>	<b>-9,511</b>	<b>-3.3%</b>	<b>37,137</b>	<b>36,452</b>	<b>685</b>	<b>1.9%</b>	<b>25,139</b>	<b>24,634</b>	<b>505</b>	<b>2.1%</b>	<b>344,592</b>	<b>352,913</b>	<b>-8,321</b>	<b>-2.4%</b>

**Active IEEE Members as of September 2005**

Grade	With Societies			Without Societies		Total
	Count	%	Avg # of Soc	Count	%	Membership Count
<b>Higher Grade</b>	173,872	61.5%	1.6	108,812	38.5%	282,684
<b>Students</b>	26,899	39.8%	1.4	40,691	60.2%	67,590
<b>Total</b>	200,771	57.3%	1.6	149,503	42.7%	350,274



Date: October 17, 2005

From: Nominating Committee of the IEEE Education Society:  
David Kerns, Chair (Junior Past President)  
Ted Batchman  
Manuel Castro  
Pat Daniels  
Marion Hagler

To: Members of the Administrative Committee of the IEEE Education Society

Re: Election of Officers and members-at-large of the Administrative Committee

In accordance with its responsibilities specified in the Constitution and Bylaws, the Nominating Committee places the following names in nomination for the indicated positions:

<b>President:</b>	<b>Dan Litynski</b> , Western Michigan Univ. NSF, USA
<b>Vice President:</b>	<b>Joe Hughes</b> , Georgia Institute of Technology, USA
<b>Secretary:</b>	<b>John Orr</b> , Worcester Polytechnic Institute USA
<b>Treasurer:</b>	<b>James (Jim) J. Sluss, Jr.</b> , University of Oklahoma, USA

**Member at Large of the Administrative Committee** (elect 4 for terms expiring in 2008; 1 replacement for John Orr, term expiring in 2006):

**Melany M. Ciampi**, Council of Researchers in  
Education and Sciences (COPEC), Brazil  
**Victor P. Nelson**, Auburn University, Alabama,  
USA  
**Wayne Johnson**, Hewlett-Packard, USA  
**Russell Meier**, Milwaukee School of Engineering,  
USA  
**Jean-Pierre Steger**, University of Applied Sciences  
(UASc) Berne, Switzerland  
**Jacek M. Zurada**, University of Louisville,  
Kentucky, USA

Each person has agreed to be nominated, has been informed that the Education Society does not pay travel expenses for members of its Administrative Committee to attend the meetings, and has confirmed:

1. Membership in the IEEE Education Society,
2. Commitment to timely execution of the responsibilities of the office during the term, and
3. Participation in at least one of the two meetings of the Administrative Committee each year.

## Photos and Short Biographies Based on Information Supplied by the Nominees or from Their Websites

### Nominee for President:



**Dan Litynski** is currently serving at the National Science Foundation after five years of distinguished service as Dean of Engineering and Applied Sciences, Provost and Vice President for Academic Affairs, and Interim President at Western Michigan University (WMU). WMU is a national Doctoral Research Extensive University with almost 30,000 students and over 270 programs spanning eight sites across Western Michigan. Major initiatives included strategic planning, implementation, and reorganization at university and college level, and the planning and implementation of a new 270 acre, over \$100 million, engineering campus collocated with a Business Technology and Research Park.

Brigadier General (retired) Dan Litynski served for nine years as Head of Electrical Engineering and Computer Science at West Point before joining WMU in July 1999. Teaching, research, and educational innovations in physics, optics, electrical engineering and computer science are included in numerous publications, awards, and a patent. Education includes B.S., Ph.D. (Physics - Rensselaer Polytechnic Institute) and M.S. (Optics - University of Rochester) degrees. National service education includes the Army Command and General Staff College, and the Industrial College of the Armed Forces of the National Defense University in Washington, D.C. Military awards and decorations include the Distinguished Service Medal and Bronze Star. Has been appointed to six honor societies, is a member of seven professional societies, and has several professional honors and awards. Senior member of the Institute of Electrical and Electronics Engineers (IEEE). Service to IEEE Education Society includes a term as President, Vice President, Awards Committee Chair, Administrative Committee Member, Membership Committee Chair, Conference co-chair FIE 2001, and Program Committee Co-Chair IGIP/IEEE-ES/ASEE 2004,

### Nominee for Vice President:



**Joseph L. A. Hughes** received the BSEE degree in 1979 from the Illinois Institute of Technology and the MSEE and PhD degrees in 1980 and 1986, respectively, from Stanford University. He joined the Georgia Tech faculty in the School of Electrical and Computer Engineering, where he is currently Professor and Associate Chair for Academic Operations. He has been a leader in the development of Georgia Tech's computer engineering programs, including the Georgia Tech Regional Engineering Program (GTREP) in southeast Georgia. His technical research interests include integrated circuit

design and testing, optical communications networks, and concurrent engineering. He is actively involved and nationally and internationally recognized for his work in engineering program development, assessment, and accreditation. He also has served as a consultant on such issues for both U.S. and international institutions. He served the IEEE Education Society as an at-large member of the AdCom in 2001 and 2002, as Secretary in 2003 and 2004, and as Vice-President in 2005. He was Chair of the ECE Division of ASEE in 2001-02, following terms as Secretary/Treasurer and Vice-Chair/Program Chair. He was the General Chair for the 2004 Frontiers in Education Conference, held in Savannah, Georgia and hosted by Georgia Tech Savannah.

## Nominees for Secretary:



**John A. Orr** is Professor of Electrical and Computer Engineering at Worcester Polytechnic Institute. Dr. Orr joined WPI in 1977 and served as head of the ECE department from 1988 to 2003. He received the BS and PhD degrees in Electrical Engineering from the University of Illinois-Urbana-Champaign, and the MS degree in EE from Stanford University. He obtained professional experience at Bell Laboratories prior to joining WPI.

At WPI Dr. Orr's research interests span several aspects of digital signal processing. Recent work is in the area of positioning systems, particularly precision personnel location. His other professional interest is in the area of engineering education where he has been involved in curriculum development at both the undergraduate and graduate levels as well as in assessment and accreditation activities. He also co-authored a textbook in the area of information engineering.

Dr. Orr is a Fellow of the IEEE, awarded for his contributions to engineering education. Dr. Orr is an ABET Evaluator for Electrical Engineering, chair of the IEEE Committee on Engineering Accreditation Activities, member of the FIE Steering Committee, past member of the Educational Activities Board of the IEEE, and past president of the Electrical and Computer Engineering Department Heads' Association. He has served one term as Secretary of the IEEE Education Society.

## Nominees for Treasurer:



**James (Jim) J. Sluss, Jr.** is a Professor of Electrical and Computer Engineering at the University of Oklahoma. He served as Chair of the EdSoc's Finance Committee and has served on the Administrative Committee since 2000. He was Chair of the Benjamin J. Dasher Award Selection Committee for FIE 2002 and served as the EdSoc's representative on that committee for FIE 2003. He served as CD Supplement Editor for the IEEE Transactions on Education from 1999 to 2001. He has been an active paper reviewer for FIE over the last five years.

He received a B.S. in Physics in 1984 from Marshall University, and the M.S. and Ph.D. in Electrical Engineering in 1986 and 1989, respectively, from the University of Virginia. His current research and teaching interests are in the areas of optical communications, photonics, and intelligent transportation systems. He has been awarded seven U.S. patents, has authored/co-authored numerous journal and conference publications, and has been principal/co-principal investigator for over \$4M in sponsored research contracts. He is also a member of the IEEE ComSoc, the OSA, and the ASEE.

## Nominees for At-Large Member of the Administrative Committee:



**Melany M. Ciampi** is Vice-President of Council of Researches in Education and Sciences (COPEC), Vice-President of Brazilian Nucleus of Environmental Researches and Health (NBPAS), Vice-President of Fishing Museum Friends Society (AAMP) and Vice-President of (Brazilian) National Monitoring Committee of "Internationale Gesellschaft für Ingenieurpädagogik" (IGIP). She is Vice Chair of Working Group "Ingenieurpädagogik im Internationalen Kontext" in "Internationale Gesellschaft für Ingenieurpädagogik" (IGIP) and Council Member of "International Council for Engineering and Technology Education" (INTERTECH). She was Vice-President of Brazilian Chapter of Education Society of the Institute of Electrical and Electronics

Engineers, Inc (IEEE-EdSoc), Member of Administrative Committee of Education Society of the Institute of Electrical and Electronics Engineers, Inc (IEEE-EdSoc) in USA, State Councilor of SBPC - Brazilian Association for the Advancement of Science and Manager of International Relations of SENAC School of Engineering and Technology. She is Member of IGIP (International Society for Engineering Education), SEFI (European Society for Engineering Education), ASEE (American Society for Engineering Education) and INTERTECH (International Council for Engineering and Technology Education). She was the first woman non European who has received the title "International Engineering Educator" of IGIP. She has coordinated and has participated of dozens of organizing committees of events in Brazil and abroad like: the Exhibits Chair of ICECE'99 (International Conference on Engineering and Computer Education), the Publications Chair of ICECE'2000, the General Secretary of CBPA'2001 and CBPA'2002 (Brazilian Congress of Environmental Researches), the Technical Program Chair of INTERTECH'2002 (International Conference on Engineering and Technology Education), of ICECE'2003, of WCETE'2004 (World Congress on Engineering and Technology Education), of GCETE'2005 (Global Congress on Engineering and Technology Education), of WCCSETE'2006 (World Congress on Computer Science, Engineering and Technology Education); do GCOMM'2006 (Global Congress on Manufacturing and Management); of CBPAS'2003, CBPAS'2004 and CBPAS'2005 (Brazilian Congress of Environmental Researches and Health) and EHWC'2006 (Environmental and Health World Congress) and the International Chair of FIE'2003 (Frontiers in Education Annual Conference), FIE'2004, FIE'2005 and FIE'2006. She has completed one term on the AdCom of the IEEE Education Society.



**Victor P. Nelson** is Professor of Electrical & Computer Engineering at Auburn University. Dr. Nelson joined Auburn University as Assistant Professor of Electrical & Computer Engineering in 1978. His next appointment was in 1981 to Graduate Faculty. In 1982 he was promoted to Associate Professor and then in the fall of 2003, Dr. Nelson was promoted to Professor. He was granted tenure in September 1993. He also held the position of Interim Associate Dean for Assessment and the Freshman Computing Initiative from September 1999 – August 2000. Prior to Auburn University, Dr. Nelson was an instructor at the U.S. Naval Nuclear Power School in Bainbridge, Maryland from 1972 – 1975, as well as a Research Assistant with the Communication and Control systems Lab of the Ohio State University from 1976 – 1978. He received the MS and Ph. D. degrees in Electrical Engineering from Ohio State University and the BSEE degree in Electrical Engineering from the University of Kentucky. Dr. Nelson is a registered engineer, a member of IEEE Computer Society, the American Society for Engineering Education and the Association for Computing Machinery. He is also a member of Eta Kappa Nu and Pi Mu Epsilon. He has received numerous awards including the Walker Merit Teaching Award, College of Engineering in 2002. Dr. Nelson was selected by IEEE as an ABET Program Evaluator from 2002 – 2007. He has been awarded numerous Research and Instructional Support Grants. Dr. Nelson has been recognized for his published textbooks, journals and conference papers. He has completed one term on the AdCom of the IEEE Education Society.



**Wayne Johnson**, Hewlett-Packard, USA is responsible for Hewlett-Packard's higher education programs in research, marketing and sales, recruitment, continuing education, public affairs and philanthropy. He currently manages an organization of 23 Program Managers and administrative staff working across 74 universities worldwide.

Johnson joined HP in July, 2001, from Microsoft's University Relations department, where he managed Program Managers and administrative staff across a customer base of 50 tier-one universities. From 1967 to 2000, he held a variety of positions at the

Raytheon Company, including National Sales Manager for Wireless Solutions, Manager of International Financing and Business Development, Manager of Administration and Strategic Planning for Raytheon's Research Division, and Manager of Program Development and Operations for Technical Services.

Johnson also serves as a board member of the Anita Borg Institute for Women and Technology (ABIWT), MentorNet (MN), NASA's Educational Advisory Committee, Corporate Foundation Alliance (CFA), Accreditation Board for Engineering and Technology (ABET) Industrial Advisory Board, the International Conference on Engineering Education (ICEE), and is a member of the Glion Colloquium. He was recently appointed to the board of Alliance for Science and Technology Research for America (ASTRA), and is a member of GUIRR (Government-University-Industrial, Research Roundtable).

Johnson received his B.A. in 1967 from Colgate University in Hamilton, New York, and his M.B.A. in 1971 from Boston College's Carroll School. He was an Adjunct Professor of Management at Boston University from 1977 to 1999.

Mr. Johnson has been a strong supporter of innovation in engineering education for many years. He has been instrumental in HP's support of the Terman Award and luncheon at the Frontiers in Education Conference and support for the Harriett Rigas Award. He has served a term on the AdCom the IEEE Education Society.



**Russell Meier** is presently serving as Associate Professor of Electrical Engineering and Computer Science at MSOE. He received a Ph.D. in Computer Engineering from Iowa State University in 1998. He also has a M.S. in Computer Engineering (1994) and a B.S. in Computer Engineering (1992), also from Iowa State University. Dr. Meier is a member of Phi Kappa Phi as well as a member of the IEEE Computer Society, the IEEE Education Society, and the ASEE –Division in Educational Research and Methods (ERM). He was the New Faculty Fellows Chair, Frontiers in Education in 2002 – 2003 as well as the Sloan Faculty Fellow, Frontiers in Education in 1997. He was also a member of the National Effective Teaching Institute in 1999. Dr. Meier served as a NSF Young Engineering Educator in 1997. His professional

interests include evolvable hardware and evolutionary computation, computer architecture, digital systems design and embedded systems. He has completed one term on the AdCom of the IEEE Education Society.



**Jean-Pierre Steger** is presently serving as professor in digital design at the School of Engineering and Information Technology (HTI), at the University of Applied Sciences (UASc) Berne, Switzerland. Jean-Pierre Steger is also assistant dean international contacts for HTI and project manager for the Bologna process at the University of Applied Sciences Berne, Switzerland. There, he occupied the positions of vice director (1991 to 2004) and department head of electrical engineering (1994 to 1991). He started teaching first at Lehrwerkstaetten Bern (1976 to 1981) before joining HTI in 1981. His industry experience includes 7 years (1969 to 1976) at Motorola Semiconductors Inc. in Zurich and headquarters Europe in Geneva. His responsibilities covered application engineering and microprocessor training Europe. After Jean-Pierre received his BSc from UASc in 1967, he moved to Vancouver, Canada as a research assistant at University of British Columbia (1967 to 1969). Here, he was involved in speech synthesis and speech recognition. From 1980 to 1994, Jean-Pierre was a part time editor at "Elektroniker", a Swiss magazine. In 1997 he obtained the Swiss certificate for didactic qualification in engineering education and in 2001 the IGIP certificate "Engineering Pedagogic Ing-Paed IGIP". Jean-Pierre is an IEEE member 04491668.



**Jacek M. Zurada** is S.T. Fife Alumni Professor of Electrical and Computer Engineering at the University of Louisville, Department Chair. He was a Visiting Professor at the National University of Singapore, Princeton, Northeastern, Auburn, and Swiss Federal Institute of Technology, Zurich. His specialization is neural networks, and microelectronic circuits for signal processing. Jacek has authored or co-authored over 280 papers in neural networks and VLSI circuits, wrote the 1992 PWS text *Introduction to Artificial Neural Systems*, co-edited the 1994 IEEE Press volume *Computational Intelligence: Imitating Life*, as well as *Knowledge-based Neurocomputing*, MIT Press, 2000. He is the 2004-05 President of IEEE Computational Intelligence Society, 2005 TAB Newsletter Committee Chairman, Newsletters Committee Periodicals Committee member, Editor-in-Chief of *IEEE Transactions on Neural Networks* (1998-2003). In 1993-97 and 1998-99 Associate Editor of *IEEE Transactions on Circuits and Systems, Part I* and *Part II*, respectively, and of *IEEE Transactions on Neural Networks* in 1993-97. Chairman and Founder of the NNC Neural Networks Technical Committee in 1995-96. Jacek is an IEEE Fellow, IEEE Distinguished Speaker, received a number of University of Louisville and IEEE awards, including Distinguished Research and Service Award, the 1999 Golden Jubilee Medal for Outstanding Contributions to IEEE CAS. In 2003, conferred the [Title of the Professor](#) by the President of Poland in 2003, and the title of the Foreign Member of the Polish Academy of Sciences in 2005.

# **IEEE Education Society**

## **Fellows Committee**

**October 6, 2005**

The IEEE Education Society Fellows Committee evaluated ten applications during the spring of 2005 and forwarded their recommendations to IEEE. Denise Denton was unable to serve. We need to expand the size of the committee (currently four counting the chair.) Rob Reilly has provided information on eligible Education Society members. The chair will work with the President to fill vacancies prior to the next evaluation period.

Respectfully Submitted,

David L. Soldan, Chair