

Components, Packaging, and Manufacturing Technology Society



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President's Column.....



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Greetings!!!

Class of 2008

May and June have been the months to celebrate graduations from high schools and universities. It is the time when young men and women are waiting impatiently for the completion of commencement speeches so they can march to the podium to receive their hard-earned diplomas. For many high school graduates it is a time for selecting a future field of study. For many university graduates it is a time for joining a profession. It is a time of starting careers in a rapidly changing world, of globalization and new waves of growing middle class, of global warming and carbon footprint, of US\$140 barrels of oil and competition for natural resources. In short -- it is a world of unprecedented technological revolution and unprecedented challenges.

IEEE-USA has been proactive in raising the public awareness as to the importance of encouraging young students to choose science, mathematics, engineering and technology for their future field of study. The Semiconductor Industry Association (SIA) has given much space in its annual report on the need for talent in science and technology. Similar public sentiments and pronouncements have been echoed by the USA National Academies.

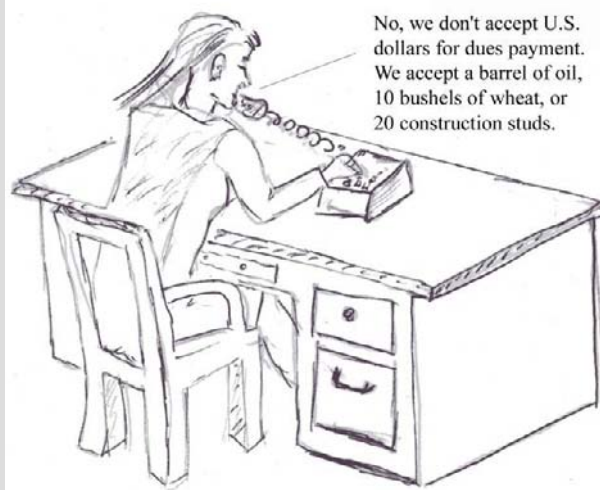
Closer to home -- how would one encourage a 2008 graduate to consider the electronics industry and our profession? An equally important question for this Class of 2008 is: once they have joined our profession, how do they prepare themselves to thrive and grow in this profession? What are the tools and knowledge sources to make their jobs fun, interesting, productive, satisfying and worthwhile? How can IEEE/CPMT help the Class of 2008 who are joining our profession?

Frankly I do not have an answer. IEEE and CPMT endeavors to support students and young professionals. Over the years, as they grow in their careers and take on more responsibilities and challenges, naturally their needs will change.

(Continued on Page 3)

Cartoon of the Month:

Too Bad Economists aren't Engineers



No, we don't accept U.S. dollars for dues payment. We accept a barrel of oil, 10 bushels of wheat, or 20 construction studs.

... By Dave Palmer

Science Fact: The standard Kilogram in France is slowly losing weight

Solution: Send it to America. It will put on some weight.

... By Dave Palmer

IEEE CPMT Society Newsletter June, 2008

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President's Column (Continued from Page 1)

Today the CPMT Value Propositions -- Publications, Conferences, Education, Technical Committees, Awards, Membership and Chapters -- are focused more on the needs of all professionals. What are the needs of young scientists and engineers newly entering the profession?

As I look back into the years when I first joined a big corporation with a freshly minted PhD degree, the technology landscape was much simpler and the technology life cycle much longer. Engineering was done in-house. I was fortunate that I found an informal network and support-system which grew with me over the years.

IEEE has the GOLD Program (Graduates of the Last Decade). There is a newly established IEEE Mentoring Connection Program (see the March 2008 Newsletter, page 5). CPMT has a Student Chapters program. Are these programs meeting the needs of the Class of 2008 CPMT Professionals? We do not know. Help us to understand by sharing your input and comments.

Send e-mail to me at wt-chen@ieee.org or to the CPMT Executive Office at m.tickman@ieee.org.

CPMT Society News:

CPMT Publications

R. Wayne Johnson
Vice President of Publications

This is my first column as the newly elected Vice president of CPMT Publications. I am excited by this opportunity to serve the members of CPMT. We have a number of activities underway that I would like to outline for you.

1. Formation of a formal Publications Committee: CPMT has operated successfully with an informal publications committee; however, I have formalized this committee. The objectives of the committee are to establish Policies and Procedures so that our Transactions have a common 'rule book' and that we are operating per the policies and procedures required by IEEE. We are also establishing Guidelines to serve as a Best Practice Manual. This will be a valuable training tool for newly assigned Associate Editors and Editors-in-Chief. The Publications Committee will also be a conduit for suggestions from the CPMT membership to improve our publications. The members of the Publications Committee are:

R. Wayne Johnson, VP Publications
Avi Bar-Cohn, Society EiC
Vasudeva P. Atluri, CPMT Newsletter Editor
Ramakrishna Koneru, EiC T-CPT
Ricky Lee, EiC T-CPT
Jose Schutt, EiC T-AdvP
GaneshSubbarayan, EiCTAdvP
Ismail Fidan, AE T-EPM (2yr term)
Ravi V Mahajan, AE TAdvP (2yr term)
Luu Nguyen, AE T-CPT (2 yr term)

The committee has three Associate Editors who will serve a two-year term. Through rotation of these three

positions, we would like to involve many AEs over the coming years.

2. Publication Timeliness: The time-to-publish is a critical factor in the usefulness of an article and it is important to the authors. IEEE has established three metrics to monitor timeliness based on a two year window:
 - a. 80% of papers in each journal have a submission to (electronic) publication time of less than 12 months.
 - b. 50% of papers in each journal are reviewed and receive first decision within 120 days of submission. This time window will decrease on a graduated scale to 90 days over a five-year period, beginning January 2009.
 - c. No journal will have a mean submission to (electronic) publication time of more than 24 months. This time window will decrease on a graduated scale to 15 months over a five-year period, beginning January 2009.We will be work diligently to meet (and exceed) these metrics. To do this, we need the support of everyone in the publication process: Editors-in-Chief, Associate Editors, Reviewers and Authors. The key activities will be for reviewers to return reviews on schedule and for authors to submit revisions and completed, final manuscripts quickly. While this will place additional pressure on CPMT volunteers, the results will be more useful publications. I will talk more about this in a future column.
3. Expand the Newsletter: The CPMT Newsletter is one important way of communicating with our membership. We envision expanding the Newsletter to include 2-4 technical or market-oriented articles per issue. This will provide our members with additional information and authors another opportunity to publish. The Newsletter would still contain all of the current Society information, but would be more 'magazine-like'. We are just beginning to work through the details. Suggestions and comments are welcome.

In closing, I would like to remind you that Publications are part of the communications process and communications should be two-way. If you have any suggestions for CPMT Publications, please feel free to contact me or any member of the Publications Committee.

R. Wayne Johnson, VP Publications, johnson@eng.auburn.edu

Society Board Spends Introspective Evening

Submitted by Dr. Dave Palmer, Contributor,
IEEE CPMT Society Newsletter

About 3 dozen CPMT volunteers met Friday night June 1st to review your Society and brainstorm on activities that will improve further your professional network. President William Chen presented the input and output of the February 14th IEEE review of our Society performed by other society presidents. This event occurs every 5 years and helps a society objectively pick future strategies and stop unproductive activities.

Our formal statement of Field of Interest contains all the topics featured at our conferences and in our Transactions. It covers broadly everything component, packaging, and electronics manufacturing engineers need in their career. It was very thoroughly rewritten about 10 years ago and is still relevant. Our core value is to "exercise, nurture, and grow our profession for the benefit of Society through knowledge advancement, innovations and im-