

Components, Packaging, and Manufacturing Technology Society



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President's Column.....



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A Good and Fair Question

On the morning of October 6th, I heard on the radio the announcement of the 2009 Nobel Prize for Physics. Under the title, "The master of light", the Royal Swedish Academy of Science press release said "This year's Nobel Prize in Physics is awarded for two scientific achievements that have helped to shape the foundations of today's networked societies. They have created many practical innovations for everyday life and provided new tools for scientific exploration." One half of the Nobel Physics Award is given to Charles K. Kao for his "ground-breaking achievements concerning the transmission of light in fibers for optical transmission". The other half of the Nobel Physics award is shared by Willard S. Boyles and George E. Smith "for the invention of an imaging semiconductor circuit and the CCD Sensor".

What the Nobel Prize press release neglects to mention, and I am proud to report in our Society Newsletter, is that all three of the Nobel Laureates are fellow IEEE members. In fact, they are IEEE Life Fellows.

Mobile phones, PCs, digital TVs, and many other electronic gadgets are designed and manufactured to provide text, music, graphics, images, videos and other data transmission over long distances, all in a split second. A large share of digital data transmission is in the form of digital images captured by digital image sensor devices. With the growth of internet and digital imaging, electronics applications have progressed to become the fabric of everyday human life, encompassing work to play, home to office, and entertainment to health. Much of what the electronic packaging community is engaged in today, from research, design, materials, manufacturing, and equipment, is associated with these ends. Our profession contributes critically to this global supply chain of knowledge and data.

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IEEE CPMT Society Newsletter
Send inputs, suggestions, and articles
by email to nsltr-input@cpmt.org
..... Editor

President's Column (cont.):

An IEEE Spectrum Tech Alert, delivered recently via email, informed me that it is providing free access to the seminal papers by the Nobelists, for a limited time only. I took advantage, clicked on the link, and was able to learn more about the authors and their pioneering work. One significant fact I learned was that the papers were published in IEE or IEEE Transactions after having first been presented at society technical conferences. That was thirty to forty years ago.

CPMT Transactions have a global reach of authors, reviewers, and editors. CPMT conferences, symposiums and workshops are held in America, Europe and Asia. The conferences and Transactions draw participants from industry, universities, and research institutes. They are the critical links in this global knowledge supply chain. In CPMT-sponsored conferences and CPMT Transactions, one regularly finds ideas for new innovations and interesting research results. I wonder, if, thirty to forty years from now, some of our CPMT Society members will be similarly honored for the work that has been published in CPMT Transactions and presented at CPMT Society sponsored conferences. Is this a good and fair question? I would be glad to hear from you.

William Chen

CPMT Society News:

**Call for Nominations for the 2010 CPMT Society Awards
(Nominations Due by January 31, 2010)**

Submitted by Dr. Kitty Pearsall, CPMT Strategic Awards
Director

This is a Call for Action!!!! Don't wait to the last minute and MISS OUT on a great opportunity to recognize a peer or a co-worker for their contribution to the CPMT Society and/or their technical community. Once again it is that time of the year for you to put your thinking caps on and consider those individuals that should be recognized! I am sure that you know those individuals that have gone above and beyond in their contribution to their technical community and to the CPMT Society. Don't hesitate to put their names forth. The Awards committee is currently accepting nominations for the 2010 CPMT Awards. All nomination packages are due by January 31, 2010. Winners will be notified by 30 March 2010 and the awards will be presented at the 60th Electronic Components and Technology Conference, June 1st – June 4th, 2010, in Las Vegas, Nevada, USA. A current nomination form can be found on the CPMT web site at the Awards link by accessing the following url www.cpmt.org/awards/index.html I look forward to receiving many nominations in all the categories listed below:

CPMT Society offers the following 5 awards for the purpose of recognizing outstanding service and contributions to furthering the professional purposes of the CPMT Society.

1) David Feldman Outstanding Contribution Award: This award recognizes outstanding contributions to the fields

encompassed by the CPMT Society through executive or managerial directions.

Prize: \$2,500 and Certificate

Basis for Judging: Contributions to the organization or enterprises connected with the field, to CPMT Chapter, Section or Board of Governors activities, and to the fields encompassed by the CPMT Society.

Eligibility: Recipient must have been a member of IEEE and CPMT for the past five (5) years, including 2008.

2) Outstanding Sustained Technical Contributions Award: To recognize outstanding sustained and continuing contributions to the technology in fields encompassed by the CPMT Society.

Prize: \$2,500 and Certificate

Basis for Judging: Technical contributions must be sustained and continuing over a period of at least five (5) and preferably 10 years. One major contribution will not qualify. Contributions must be documented by open literature publications such as papers, patents, books and reports (available to the public).

Eligibility: Must have been a member of the IEEE and CPMT Society for the past three (3) years, including 2008.

3) Electronics Manufacturing Technology Award: To recognize major contributions to Electronic Manufacturing Technology in fields encompassed by the CPMT Society.

Prize: \$2,500 and Certificate

Basis for Judging: Contributions may include technical development of, or management (directing) of major new electronic manufacturing processes; significantly increasing yield and/or reliability of established manufacturing processes, etc. Work in the management of CPMT conferences or its BoG may be contributory but not sufficient to receive the award.

Eligibility: No need to be a member of IEEE and CPMT Society.

4) Exceptional Technical Achievement Award: To recognize an individual, or group of individuals (no more than three), for exceptional technical achievement in the fields encompassed by the CPMT Society.

Prize: \$2,500 and a Certificate.

Basis for Judging: Technical contributions of the nominee(s) must be such that they are considered to be exceptional, not achieved by most members. A single major contribution will qualify for this award. The contribution could be a significant invention, introduction of a significantly new and important technology or product (in which case, the nominee may be a team leader), or significant work that advances the state-of-the-art in CPMT's field of interest. The technical contributions must be documented by open literature publications such as papers, patents, books, and reports (available to the public). Technical recognition and awards from the organization employing the individual as well as awards from other IEEE and non-IEEE technical societies may also be contributory.

Eligibility: Recipient(s) must have been a member of IEEE and CPMT for the past three (3) years, including 2008. There are no requirements for service to the IEEE or CPMT Society.

5) Outstanding Young Engineer Award: To recognize outstanding contributions to the fields encompassed by the CPMT Society