



# Components, Packaging, and Manufacturing Technology Society

## Newsletter

*The Global Society for Microelectronics Systems Packaging*



# IEEE



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**President's Column.....**



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Greetings!!!










**Membership in the IEEE and the CPMT Society**

A little over a month ago I was approached by a firm commissioned by the IEEE Technical Activities Board (TAB) for an interview. There is a TAB project to understand the Society President's view on the benefits that the societies offer to their members and the role that societies play in their members' professional careers. The interviewer told me that the objective is to interview all society presidents for this purpose. Actually this very topic was addressed in depth at the TAB review of the CPMT Society February 14th this year. In this column I have frequently written about the CPMT value propositions and their contribution to the profession. I would speculate that this project would also give a different perspective in understanding the reasons behind the declining membership trend in IEEE and in the societies. During the IEEE TAB meetings we regularly discussed the IEEE membership fee cost, membership benefits and whether the level of the fees charged had become a barrier to joining IEEE.

The interview started with me describing what the acronym CPMT stands for: the Components Packaging and Manufacturing Society. I explained to her that our Society hosts the profession commonly known as Electronics Packaging, Assembly and Manufacturing. Our ranks are filled with engineers and scientists from different disciplines in engineering and science ranging from electrical engineering, mechanical engineering, chemical engineering, manufacturing engineering, materials science and engineering, chemistry, physics, metallurgy, ceramics, mathematics, and so on. We are an integral part of the technology chain associated with electronics product design and manufacturing. Situated in-between semiconductor devices and electronic products, we are far less known, but no less important, in the US 1.3 trillion dollars electronics technology industry supply chain. While the industry had its roots in North America, Europe and Japan, it is now widely distributed around the globe with a significant proportion of electronic manufacturing located in Asia. Electronic Packaging Technology is experiencing a period *(continued, page 3)*

**Cartoon of the Month:**

If an engineer Sudokus too much friends get rearranged.

4	5				2
					9
5					

*... By Dave Palmer*

**ECTC 2009 Conference**  
 The 59<sup>th</sup> Electronic Components and  
 Technology Conference  
 May 26<sup>th</sup> – May 29<sup>th</sup>, 2009  
 Sheraton San Diego Hotel & Marina  
 San Diego, California, USA

**IEEE CPMT Society Newsletter  
 September, 2008**

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## ***President's Column (Continued from Page 1)***

of great innovation and invention driven as much by the market as by the technology. At the same time the industry continues to be under pressure to produce more for less.

I explained to the interviewer our CPMT Society's globalization initiative to bring greater global participation in CPMT activities in conferences, publications, technical committees, recognition, education, chapters and membership. Virtually all of the CPMT activities come from volunteer efforts from engineers and scientists from around the world, many of whom are CPMT members. They form the core of CPMT constituency.

I told her that an important element in our strategy to reach out to our constituents worldwide is through technical conferences and workshops. Since conferences are the places where fellow professionals meet and talk face to face, they are where we feature and promote CPMT society value propositions. Our goals at each conference are to hold publication workshops and technical committee meetings, set up recognition events, professional development courses, chapter chair meetings and membership recruitment drives. In short, we pack full the conference agenda. At the ECTC conference this year and last year we have had some committee meetings and a publication workshop starting at 7:00 am. While ECTC is an international conference with half of its papers and participants from outside North America, it is important to have high-quality flagship conferences in other parts of the world. In Europe the CPMT UK and RI chapters sponsored the 2nd ESTC conference in Greenwich UK in September. The conference adopted the basic ideas described previously for ECTC and applied them in their own way. We will replicate similar initiatives at EPTC in Singapore, another major conference being held in Asia. CPMT organizes and sponsors many technical conferences around the world. The crucial point is that for each of the technical conferences, there is a group of committed volunteers – the regional CPMT chapter members -- passionate and committed to make their events successful. In addition to conferences there are CPMT workshops and seminars around the world. At all of these events one would find authors, reviewers and readers for our technical journals, and lecturers and students for educational programs. They are the stakeholders of the CPMT society value propositions. It is their passion, enthusiasm and dedication that we want to nurture, support and recognize. I told the interviewer that while I have spoken with much enthusiasm about technical conferences and workshops, I would be just as enthusiastic on the topics on CPMT publications, educational programs, recognitions, membership and chapters. While I think we are making headway in building the base for CPMT constituents, we are still behind in recruitment into IEEE membership.

The interviewer asked me for my thoughts, moving forward, on how to reverse the trend in declining membership in IEEE and CPMT. My response is that the reasons for many people to join and participate in the CPMT Society and IEEE are networking with the leaders in their specific fields, keeping up with advancing technology, and access to the broad knowledge base of packaging technology and science.

Equally important is the belief in CPMT as the trusted forum and source of knowledge for our dynamic profession. While I cannot quantify the importance of the IEEE fee structures and benefits in membership decisions in IEEE and the CPMT society, it is important for IEEE and for CPMT to address this issue in a positive way. The interview lasted about an hour and I expressed my good interest to read her study report.

What are your thoughts on this topic? I would very much welcome your thoughts and comments. Write to me at:

[wt-chen@ieee.org](mailto:wt-chen@ieee.org)

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## ***CPMT Society News:***

### **Republishing Conference Papers**

R. Wayne Johnson  
Vice President of Publications

The republishing of selected and peer reviewed conference papers in our Transactions was an issue raised by the IEEE Technical Activities Board review of CPMT publications this past year. Under the heading "RESPONSIBILITIES OF MANUSCRIPT AUTHORS" the IEEE Publication Services and Products Board Operations Manual states:

*"Except as indicated in IEEE Policy 6.4 (Multiple Publication of Original Technical Material in IEEE Periodicals), authors should only submit original work that has neither appeared elsewhere for publication, nor which is under review for another publication. If authors have used their own previously published work(s) as a basis for a new submission, they are required to cite the previous work(s) and very briefly indicate how the new submission offers substantive novel contributions beyond those of the previously published work(s)."*

The referenced IEEE Policy 6.4 states:

*"IEEE's technical publications shall include original material which appears only once in the archival literature. Unusual circumstances may allow for exceptions to this policy. The appropriate procedures to be followed shall be specified in the PSPB Operations Manual."*

*The publication of a conference paper or papers in an IEEE periodical is permitted at the discretion of the Editor provided that all the papers have undergone the standard peer review for the specific periodical in question."*

In the past, we have republished selected conference papers in Special Sections of our Transactions. We have also published conference papers independently submitted by the author. These previously published manuscripts have gone through the standard peer review process all manuscripts submitted to CPMT Transactions go through. The level of revision required has ranged from 'Publish as Written' to "Major Revisions Required" and occasionally a selected/submitted conference manuscript has been ultimately rejected. The value in republishing conference papers was collecting related papers into a single Transactions volume and the peer review process.

While we can debate with IEEE over our interpretation of the IEEE Policies, we need to look at the bigger question: is there still value in republishing? IEEE Explorer and web access have changed the value of republishing manuscripts in transactions