

# INTRODUCING THE IEEE CPMT SOCIETY

Global Chapters

Conferences

Technical Journals

Education

Professional Development



IEEE COMPONENTS, PACKAGING AND  
MANUFACTURING TECHNOLOGY SOCIETY



IEEE



*Offering a World of Opportunities ...  
Making a World of Difference*

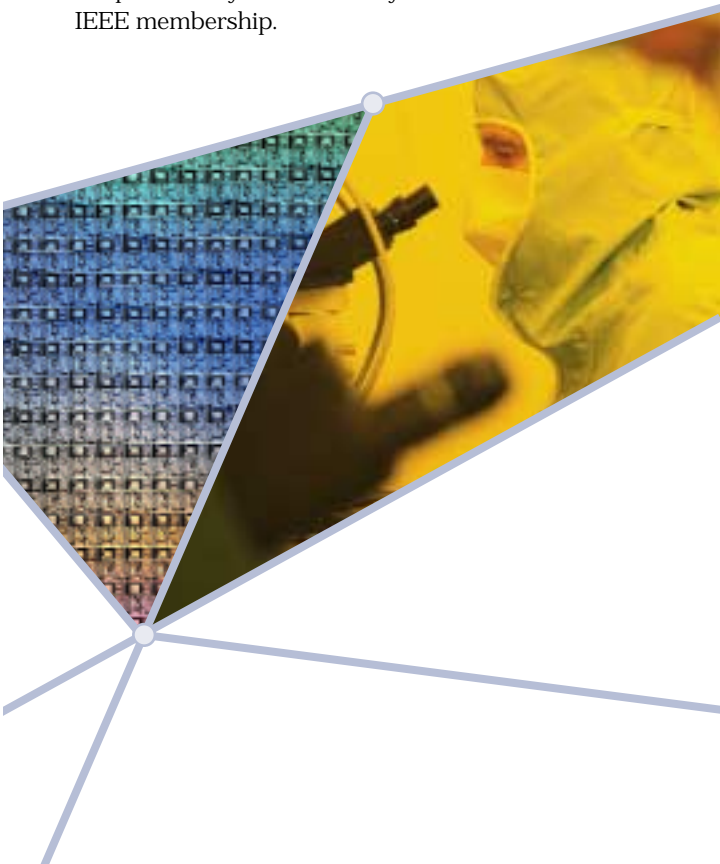
What is the CPMT Society?.....	1
Fields of Interest .....	2
What Can Membership Do for You?.....	3
Chapters .....	4
International Conferences .....	6
Awards Program.....	7
Technical Publications .....	8
Technical Committees.....	9
Grades of Membership .....	10
Manage Your Membership.....	11
Become a Member .....	12
Volunteer Leadership.....	12

## What is the CPMT Society?

The IEEE Components Packaging and Manufacturing Technology Society (CPMT) is the leading forum for scientists and engineers engaged in the research, design and development of revolutionary advances in microsystems packaging and manufacture.

Its members include world-renowned authorities in microelectronics, optoelectronics, semiconductor processing, materials and connector technologies at companies, universities, government research centers and allied enterprises around the globe.

Since 1950, the Society has given professionals like you the opportunity to collaborate and network with the best in the industry. The CPMT Society is the perfect way to customize your IEEE membership.



## CPMT Society Fields of Interest

### **Foundation Technologies**

Education

Materials

Reliability

Thermal Management &  
Thermomechanical Design

### **Components and Devices**

Discrete & Integral Passives

Electrical Contacts

Fiber Optics & Photonics

### **Packaging**

IC & Package Assembly

MEMS & Sensor Packaging

Nano Packaging

Power Electronics

Packaging

RF & Wireless

Systems Packaging

Wafer Level Packaging

### **Process and Manufacturing**

Electrical Design, Modeling & Simulation

Electrical Test

Electronic Manufacturing Services

Green Electronics

Manufacturing

Semiconductor Processing

& Manufacturing

## What Can CPMT Membership Do for You?

As workplace demands increase and education budgets remain tight, Society membership helps you and your organization achieve its goals in a cost effective manner: by sharing the latest research on components packaging and manufacturing technology.



- Subscribe to distinguished peer-reviewed and archival *Transactions* at special member prices
- Learn from world-renowned industry experts by attending first-rate meetings, conferences and workshops
- Collaborate with colleagues from around the world
- Gain access to peer-reviewed materials that are objective and free of commercialism
- Cultivate new business opportunities through an international network of professionals
- Enhance your professional development through volunteer leadership opportunities

*Both members and their employers find substantial benefits from being involved with this distinguished association.*



## Active Chapters

Over 30 chapters around the world provide networking opportunities with other professionals and the chance to participate in technical and educational activities for professional development.

### **ASIA/PACIFIC**

China  
Hong Kong  
India  
Japan  
Korea  
Malaysia  
Singapore  
Taiwan

### **EUROPE**

Belarus  
Bulgaria  
Central Ukraine  
Finland  
France  
Germany  
Greece  
Hungary/Romania  
Russia  
Nizhny-Novgorod • Novosibirsk • Saratov-Penza  
Sweden  
Switzerland  
United Kingdom & Republic of Ireland  
West Ukraine

### **NORTH AMERICA**

Canada  
United States  
Atlanta, Georgia • Binghamton, New York  
Boston, Massachusetts • Chicago, Illinois  
Los Angeles, California • Orlando, Florida  
Phoenix, Arizona • San Diego, California  
Santa Clara Valley, California

**Local chapters help you:**

- Plug into networking opportunities in your area
- Maximize professional development
- Share best ideas among your peers
- Participate in social activities
- Learn from distinguished lecturers
- Be a part of your local technical community

*For more information on chapters, visit [www.ewh.ieee.org/soc/cpmt/chapters](http://www.ewh.ieee.org/soc/cpmt/chapters).*

**Student Chapters**

Student chapters give students the opportunity to meet and learn from fellow students, as well as faculty members and professionals in the field. The Society's student chapters include:

- Georgia Institute of Technology, USA
- Polytechnic University of Bucharest, Romania
- Chalmers University of Technology, Sweden
- University of Arkansas, USA

*For more information on student chapters, visit [www.ewh.ieee.org/soc/cpmt/student](http://www.ewh.ieee.org/soc/cpmt/student).*



## Dynamic Worldwide Conferences, Workshops and Symposiums

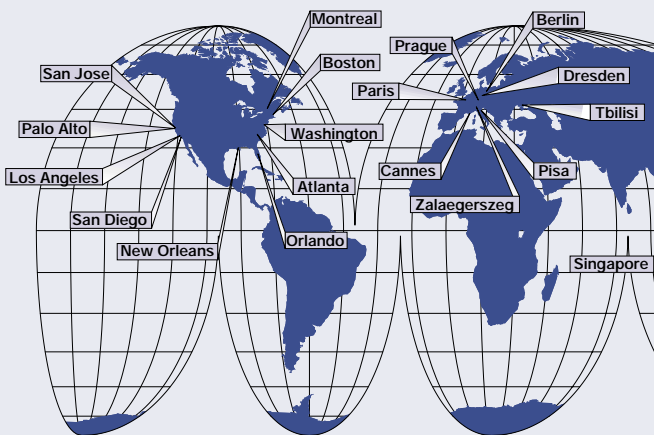
The Society sponsors or co-sponsors over 30 technical meetings annually. These conferences introduce leading-edge technologies and are taught by global leaders in their fields of expertise.

Members are eligible for discounts on conference registration.

### Professional Development Courses

A number of conferences offer Professional Development Courses, intensive half- or full-day sessions that address specific technical topics. Content ranges from thoughtful overviews to in-depth analysis and case studies. Those who complete courses are eligible to receive Continuing Education Units (CEUs), as approved by the International Association for Continuing Education and Training (IACET).

*Your Online Conference Source:*  
[www.cpmt.org/conf/index.html](http://www.cpmt.org/conf/index.html)



## Prestigious Awards Program

Each year, the Society singles out the best of the best for special recognition through its awards program. Individuals, teams and chapters are recognized for their technical excellence, achievement, leadership and service.



*The David Feldman Outstanding Contribution Award*  
*Exceptional Technical Achievement Award*  
*Outstanding Sustained Technical Contributions Award*  
*Electronics Manufacturing Technology Award*  
*Outstanding Young Engineer Award*  
*Transactions "Best Paper of the Year" Awards*  
*Graduate Fellowship for Research on Electronic Packaging*  
*Chapter of the Year Award*

*For more information on the awards program, visit [www.cpmnt.org/awards/index.html](http://www.cpmnt.org/awards/index.html).*



### **CPMT's popular conferences include:**

*Electronic Components and Technology Conference (ECTC)*

*International Electronics Manufacturing Technology Symposium (IEMT)*

*Semiconductor Thermal Measurement and Management Symposium (Semi-Therm)*

*Intersociety Conference on Thermal Phenomena in Electronic Systems (I-Therm)*

*Electrical Performance of Electronic Systems (EPEP)*

*Accelerated Stress Testing Workshop (AST)*

*Conference on Polymers and Adhesives in Microelectronics and Photonics (Polytronic)*

*Workshop on Signal Propagation on Interconnects (SPI)*

*Holm Conference on Electrical Contacts*

*Advanced Packaging Materials Symposium*

*European Systems Packaging Workshop*

## Peer-Reviewed Technical Publications

Trusted technical journals provide knowledge and inspiration that you can apply to your work right away. The following journals are available at discounted rates to members and are available in printed format as well as online. Visit [www.ieee.org](http://www.ieee.org) for subscription information.



*IEEE Transactions on Components and Packaging Technologies*

*IEEE Transactions on Advanced Packaging*

*IEEE Transactions on Electronics Packaging Manufacturing*

*IEEE Transactions on Semiconductor Manufacturing*

*IEEE Transactions on Nanotechnology*

*IEEE Transactions on Applied Superconductivity*

*IEEE Sensors Journal*

Members of the technical community are invited to submit papers for publication in these respected, peer-reviewed journals. To submit a paper for consideration, visit IEEE's Manuscript Central™ at <http://cpmt-trans-ieee.manuscriptcentral.com>.

*For more information on the publications, visit [www.cpmt.org/trans/index.html](http://www.cpmt.org/trans/index.html).*

An extensive collection of past conference publications and papers and compendium CDs of *Transactions* articles are also available for purchase at member-discounted prices.

*For more information on purchasing papers, proceedings or entire collections of materials, visit [www.cpmt.org/proceedings/index.html](http://www.cpmt.org/proceedings/index.html).*

## Distinctive Technical Committees

CPMT Society Technical Committees promote research in the field by sponsoring and conducting conferences and symposiums, publishing technical papers, providing for peer review of papers and serving as a source of expertise within the Society. The Committees facilitate the collegial exchange of technical information within the CPMT Society and with other organizations on complex multidisciplinary problems.

### **Core Technologies**

- Design, Model & Simulate
- Education
- Electrical Test
- Fiber Optics & Photonics
- Materials
- Reliability
- Thermal Management & Thermomechanical Design

### **Components and Devices**

- Discrete & Integral Passives
- Electrical Contacts

### **Manufacturing**

- Electronics Manufacturing
- Green Manufacturing

### **Packaging**

- High Density PWB
- IC & Package Assembly
- MEMS & Sensor Packaging
- Nano Packaging
- Power Electronics Packaging
- RF & Wireless
- Systems Packaging
- Wafer Level Packaging

*For more information on technical committees, visit [www.cpmt.org/tc/index.html](http://www.cpmt.org/tc/index.html).*

## Grades of Membership

### **Member**

Limited to those who have demonstrated professional competence in IEEE-designated fields.

### **Senior Member**

The highest level for which you can apply. To be eligible, candidates must have been in practice for at least 10 years and must have shown significant performance over a period of at least five of those years.

### **Fellow**

Recognizes unusual distinction in the profession and is conferred only by invitation of the IEEE Board of Directors. Candidates are persons of outstanding and extraordinary qualifications and experience in IEEE-designated fields who have made important individual contributions to one or more of these fields.

### **Associate**

Designed for technical and non-technical applicants who do not presently meet the qualifications for Member grade, but who would benefit through membership and participation in IEEE, or for those progressing toward the qualifications for Member grade.

### **Student**

Carries at least 50 percent of a normal, full-time academic program as a registered undergraduate or graduate student in a regular course of study in IEEE-designated fields.

## Manage Your Membership

Moving? Changing jobs? As your career and life continually change and grow, be sure to keep your member information current to ensure no disruption to benefits. By creating an online account, Society members can easily:

- Update contact information
- Obtain or update an IEEE e-mail alias
- Add or change subscriptions
- Join additional Technical Societies
- Renew membership

*For more information on IEEE membership grades and managing membership information, visit [www.ieee.org](http://www.ieee.org).*



## Become a Member

Members can take full advantage of Society membership for a nominal fee once they join IEEE.

Online applications are available at [www.cpmt.org](http://www.cpmt.org) or [www.ieee.org](http://www.ieee.org).

Current members of IEEE can add a CPMT Society membership online or contact IEEE Member Services at +1 800 678 4333, or +1 732 981 0060.

## Volunteer Leadership

At the heart of the CPMT Society are volunteer members who organize and implement activities in:

- Conferences
- Chapters
- Technical Activities
- Education
- Publications
- Membership
- Awards

The CPMT Society is always looking for people interested in furthering the work of the CPMT Society by joining its top-notch team of professionals. Whether you have a lot of time to give or just a little, we can match your talents with the right job. What's in it for you? Volunteer positions provide valuable leadership experience, continuing professional development and access to an international network of colleagues. Contact the Executive Director at [cpmt@ieee.org](mailto:cpmt@ieee.org) to get involved.

## IEEE – A Name You Can Trust

The CPMT Society is one of 37 Technical Societies under the umbrella of IEEE. When you add the CPMT Society to your IEEE membership, you instantly customize your membership while enjoying all of the benefits of IEEE.



### **Fast Facts - IEEE**

- A non-profit, technical professional association with more than 380,000 individual members in over 150 countries
- The world's largest international technical professional society
- Publishes more than 30 percent of the world's literature in electrical, electronics and computer engineering and science
- Holds more than 300 major conferences annually

### **IEEE Member Benefits**

- IEEE Financial Advantage Program
- Career and employment services
- Travel assistance
- Personal e-mail alias
- Subscription to *IEEE Spectrum* magazine

*For more information, visit [www.ieee.org](http://www.ieee.org).*



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