



IEEE COMPONENTS, PACKAGING AND  
MANUFACTURING TECHNOLOGY SOCIETY

# **GREETINGS FROM IEEE COMPONENTS, PACKAGING & MANUFACTURING TECHNOLOGY SOCIETY**

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Components & Packaging Technologies***

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**Innovation... Discovery... Education... Achievement**



IEEE COMPONENTS, PACKAGING AND  
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# *What is IEEE CPMT?*



- *about 400,000 members worldwide*

**Institute of Electrical and  
Electronics Engineers**

**(电机及电子工程师学院/学会)**



- *one of the 42 technical societies  
under IEEE*

**Components, Packaging and  
Manufacturing Technology Society**

**(元器件, 封装及制造技术学会)**

# Profile of IEEE CPMT Society



- **3000+ members worldwide**
- **38 chapters over 24 countries**
- **~30 international conferences**



# The Role of IEEE CPMT Society

- **Academia:**
  - Create new knowledge
  - Educate students
- **Industry:**
  - Produce products using new knowledge & talent
  - Create applied knowledge
- **Government:**
  - Fund basic infrastructure in science & engineering research and education

# Focused Areas in Technologies & Education

- **IC and Component Packaging**
  - Electrical Contacts
  - Discrete and Integral Passives
  - IC Packaging and Assembly
  - Manufacturing
  - Materials
- **Systems Packaging**
  - High Density PWB
  - Reliability
  - Semiconductor Processing
  - Thermal Management
  - Fiber Optics and Photonics
  - Electrical Test
- **Electrical Design**
- **Power Electronics**
- **Systems Packaging**
- **Emerging Technologies**
- **RF and Wireless**
- **MEMS and Sensors**
- **Wafer-Level Packaging**
- **Education**
  - Web Based Courses
  - Technical/Academic Conferences
  - Books, CD-ROMs
  - Bio-electronic Packaging
  - Green Electronics
  - Electronic Mfg. Services (EMS)

## Conferences around the Globe

- **General Packaging**
- **IC Packaging**
- **Electronics Manufacturing**
- **Materials**
- **Thermal**
- **Reliability**
- **Electrical Test**
- **VLSI Packaging**
- **Systems Packaging**
- **Opto, Photonics Packaging**
- **Power Packaging**
- **Electrical Design & Modeling**
- **MEMS & Microsystems Packaging**
- **Consumer Packaging**
- **Environmentally-Friendly Packaging**
- **Packaging Education**
- **Contacts (Holm)**



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Technical Committees
 

- Core Technologies
- Components and Devices
- Packaging
- Process and Manufacturing
- HEMI - CPMT News
- Joining a TC's DList
- Starting a TC

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

Technical excellence, professional development and international networking CPMT Society can help you through its [journals](#), [conferences](#) and workshops, local chapter events, educational programs and awards.

UPCOMING EVENTS

**2004 IEEE CPMT 20th Semiconductor Thermal Measurement & Management Symposium (SEMI-THERM)**  
9 – 11 March 2004  
San Jose, California, USA

**First International Workshop in Nano Bio-Packaging**  
22 – 23 March 2004  
Atlanta, Georgia USA

**Electronic Components Technology Conference (ECTC) 2004**  
1 – 4 June 2004  
Las Vegas, Nevada USA

[More Conference Information](#)

2004 ECTC Las Vegas, NV USA June 1-4, 2004 ADVANCE PROGRAM is now posted on our website (see "Technical Program") [www.ectc.net](http://www.ectc.net)

CALL for ABSTRACTS VLSI Packaging Workshop of Japan Nov. 30 - Dec 2, 2004 Kyoto, Japan  
Abstracts due May 28 [cpmt.org/conf](http://cpmt.org/conf)

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***We Are Global Societies!!!***



***Congratulations to iNEMI China!!!***