

EPS/CASS Joint Chapter Overview

IEEE Oregon Section Excom

8-May-18

Ed Perkins

EPS/CASS Chapter

- Officers
 - Chair: Howard Heck, Intel
 - Program V Chairs: Jim Morris (EPS), Malgorzata Jeske (CASS)
 - Secretary: Ed Perkins
 - Treasurer: Weimin Shi, Intel
 - SMTA Liaison: Chuck Bauer
- Meetings:
 - Chapter Excom planning meetings
 - Technical meetings: Using DL programs and pass-through contacts
 - Nine (9) meetings in 2017 (2 joint w/SMTA)
 - One meeting thus in 2018

EPS - <https://eps.ieee.org/>

- The **IEEE Electronics Packaging Society (EPS)** is the leading international forum for scientists and engineers engaged in the research, design and development of revolutionary advances in microsystems packaging and manufacturing.
- **Field of Interest:** The scientific, engineering, and production aspects of materials, components, modules, hybrids and micro-electronic systems for all electronic applications, which includes technology, selection, modeling/simulation, characterization, assembly, interconnection, packaging, handling, thermal management, reliability, testing/control of the above as applied in design and manufacturing. Examples include optoelectronics and bioelectronic systems packaging, and adaptation for operation in severe/harsh environments. Emphasis is on research, analysis, development, application and manufacturing technology that advance state-of-the-art within this scope.

EPS Activities

Activities/Initiatives

- Heterogeneous Integration Road Map
- Young Professionals
- Women in Engineering
- IoT
- Rebooting Computing
- 5G
- Hardware Technology Roadmaps

Council Memberships

- [Sensors Council](#)
- [Council on RFID](#)
- [Nanotechnology Council](#)
- [Council on Electronic Design Automation](#)
- [Council on Superconductivity](#)

EPS Activities - 2

Conferences

- ASMC, DTIP, EOS/ESD, EMPC, EuroSIME, ICEPT, ISSE, THERMINIC, EDAPS, EPEP, EPTC, ESTC, IEMT-EMAP, IWASI, IWIPP, SPI

Transactions

- All EPS members receive on-line access to the [IEEE Transactions on Components, Packaging and Manufacturing Technology](#) as part of their membership -- not additional cost.

Newsletter

- The EPS Newsletter contains information on various Society activities, including conference announcements and post conference reports; and news on publications, awards and chapter activities. The Newsletter is sent to all EPS Members quarterly via e-mail and in print.

Chapters

- EPS has over 30 Chapters located in the US, Europe and Asia/Pacific.

In the year 2000 the CPMT (now EPS) Society celebrated its 50th anniversary.

CASS - <http://iee-cas.org/>

- The **IEEE Circuits and Systems Society (CASS)** is the leading organization that promotes the advancement of the theory, analysis, design, tools, and implementation of circuits and systems. The field spans their theoretical foundations, applications, and architectures, as well as circuits and systems implementation of algorithms for signal and information processing.

CASS Field of Interest

- The theory, analysis, design, tools, and implementation of circuits and systems. The field spans their theoretical foundations, applications, and architectures, as well as circuits and systems implementation of algorithms for signal and information processing.

CASS Activities

Conferences

- **ISCAS**
[International Symposium on Circuits and Systems \(ISCAS\)](#)
- **APCCAS**
[Asia Pacific Conference on Circuits and Systems \(APCCAS\)](#)
- **ICECS**
[International Conference on Electronics, Circuits, and Systems \(ICECS\)](#)
- **LASCAS**
[Latin American Symposium on Circuits and Systems \(LASCAS\)](#)

Publications

- Transactions on Circuits and Systems I: Regular Papers
- Transactions on Circuits and Systems Part II: Express Briefs
- Transactions on Circuits and Systems for Video Technology
- Journal on Emerging and Selected Topics in Circuits and Systems
- Circuits and Systems Magazine
- Circuits and Systems Society Newsletter

QUESTIONS?