

EOS/ESD Association, Inc.

Fact Sheet 2024

What is Electrical Overstress (EOS) & Electrostatic Discharge (ESD)?

In ordinary circumstances, static electricity is little more than an annoyance. However, in an increasingly technological age, the familiar static shock we receive when walking across a carpet can be costly or dangerous. This same static discharge can ignite flammable mixtures and damage electronic components. Static electricity can attract contaminants in clean environments or cause products to stick together.

The cost of ESD-damaged electronic devices alone ranges from a few cents for a simple diode to several hundreds of dollars for complex hybrids. Loss of production time in web processing industries due to static attraction is significant. When associated costs of repair and rework, shipping, labor, and overhead are included, opportunities must be considered for significant improvements in reducing losses to ESD and static electricity.

Who is the EOS/ESD Association?

- Founded: 1982 in Rome, NY USA
- Headquarters: Rome, NY USA, serves more than 30 countries
- Professional voluntary association 501(C)3 Corporation dedicated to advancing the theory and practice of electrostatic discharge (ESD) avoidance
- Growth: 100 members in its start – Over 1,400 members throughout the world today
From the initial emphasis on the effects of ESD on electronic components to textiles, plastics, web processing, explosives, clean rooms, and graphic arts
- Expand ESD Awareness through standards development, educational programs, publications, tutorials, certification, and symposia

ESD Standards USA

EOS/ESD Association, Inc. is the only organization accredited by the American National Standards Institute (ANSI) to write and produce standards on electrostatics.

ESD Standards Globally

EOS/ESD Association, Inc. has established relationships with organizations outside of the United States and is active with standards activities including but not limited to China, Germany, Japan, Singapore, and Switzerland. The International Electrotechnical Commission (IEC) publishes international standards for electrical, electronic, and related technologies. EOS/ESD Association, Inc. has the responsibility of representing the interest of the United States at the International Electrotechnical Commission (IEC) in electrostatics. Fifteen IEC documents are technically equivalent to corresponding EOS/ESD Association, Inc. standards.

ESD Certifications & Educational Training

Knowledge, Competence & Problem-Solving Skills – EOS/ESD Association, Inc. is the world's premier organization for education in the area of electrostatic control. We offer over 100 courses and 11 certification programs for the purposes of ESD control.

Educational Events

EOS/ESDA Association, Inc. hosts regularly scheduled timely events that are planned years in advance for ESD education, professional networking, company visibility and growth. From hourly tech talks to week-long meetings and conferences, the EOS/ESDA Association, Inc. prides itself on actively forecasting those needs of individuals and companies in a continually changing environment. These events are:

Educational Events Cont.

EOS/ESD Symposium & Exhibits, (USA) *Annually*

Tutorial Programs, (USA and Internationally), *Virtual and Face-to-face*

Emerging Professionals Tech Talks, (Virtual) *Quarterly*

ESD Forums & Workshops, (China & India) *Annually*

International ESD Workshop (IEW) USA and Internationally, *Annually*

Meeting Series, (USA) *Quarterly*

EOS/ESD Association, Inc. Executive Team

Executive Board

President: Nathaniel Peachey, Qorvo, Inc.

Senior Vice President: Robert Gauthier, IBM

Vice President: Michael Khazhinsky, Silicon Laboratories, Inc.

Appointed-Strategy Advisor: Gianluca Bosselli, Texas Instruments Inc.

Executive Director: Lisa Pimpinella, EOS/ESD Association, Inc.

Secretary: Ann Concannon, Texas Instruments, Inc.

President Emeritus: Harald Gossner, Intel Deutschland GmbH

Board of Directors

Dolphin Abessolo Bidzo, NXP Semiconductors

Christopher Almeras, Raytheon

Gianluca Boselli, Texas Instruments

Brett Carn, Intel

Shih-Hung Chen, imec

Ann Concannon, Texas Instruments

Robert Gauthier, IBM

Steffen Holland, Nexperia

Michelle Lam, IBM

Chuck McClain, Botron Company, Inc.

Tom Meuse, Thermo Fisher Scientific

Souvick Mitra, Micron Technology

Andrew Nold, Teradyne

Scott Ruth, Advanced Micro Devices, Inc. (AMD)

Mirko Scholz, Infineon Technologies AG

Wolfgang Stadler, Intel Mobile Communications

David Swenson, Affinity Static Control Consulting

CS Tay, Canmax

Primary Markets & Industries Served: Automotive, Aerospace, Electronics, Manufacturing, Microchips, Military, Medical, Semi-conductors

Website: www.esda.org

e-mail: info.eosesda@esda.org