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### **43rd Annual EOS/ESD Symposium: The New Era For EOS & ESD**

*by Lorenzo Cerati, EOS/ESD Symposium Advisor*

For many years the [EOS/ESD Symposium](#) has served as the world's leading forum on electrostatic discharge and overstress. The history of this great event started in Denver back in 1979 when a group of ESD experts and 20 exhibitors gathered together to discuss issues related to electrostatic discharges. They aimed to find solutions to be implemented in their facilities and production lines, and they were not aware that they made the history of ESD. That first event was very successful, so those pioneers decided to repeat it every year, and in 1982, the ESD Association was founded to support the understanding of electrostatic discharge phenomena.

Nowadays, the EOS/ESD symposium is the perfect place where everybody can meet ESD experts and partners, establishing new connections, and attending technical sessions, open meetings, and networking events. Attending the EOS/ESD symposium means having a unique opportunity to improve the EOS/ESD awareness and knowledge, expand your network of domestic and international industry colleagues working on any aspect of an EOS/ESD control or device programs, and be part of a best in class event.

Even during these difficult times, the steering committee, the excellent staff at the ESDA headquarters, and all the great ESD volunteers made a remarkable effort to prepare this event, offering a dense program packed with tutorials, exhibits, workshops, technical sessions, and invited talks. Here is a brief overview of the technical highlights of the 2021 EOS/ESD Symposium, which will be held September 26 - October 1, 2021 at the Westin La Paloma in Tucson, Ariz.

The event will start on Sunday, September 26 with a day entirely dedicated to tutorials, with an exciting program prepared by the most critical experts in the EOS and ESD fields. Besides the classical seminar on ESD Program Development and Assessment (ANSI/ESD S20.20), four additional tutorials will be available this year, ranging from ESD protection and I/O design to System Level ESD/EMI solutions, and from Design for EOS Reliability to Practical Applications of Ionization.

The 2021 technical program is outstanding and will be then presented in four days, from Monday to Thursday. This year, the steering committee decided to introduce a brand new symposium organization: six different tracks will be available, each exploring the various themes of the ESD protection and prevention world in detail. Within each Focus Area, there will be dedicated seminars, workshops, invited talks, and Topic-In-Review talks in addition to the traditional peer-reviewed technical papers presented by experts from industry and academia driving leading-edge research and development.

Five different tracks will deal with device and system-level solutions:

1. Automotive Focus Area
2. Mixed Voltage Focus Area
3. Communication Focus Area
4. Advanced Technologies & Device Testing Focus Area
5. EMC Focus Area.

The complete program addressing these areas will be composed of 22 peer-reviewed technical papers, six seminars, 12 invited talks, four workshops, three Topic-In-Reviews and one short tutorial.

Moreover, continuing the positive experience of the last few years, one whole track will be dedicated to ESD in Manufacturing, where we will have five peer-reviewed papers together with a Year-In-Review talk, two short tutorials, two invited talks, five hands-on sessions (dedicated to both TR53 Measurements and Process Assessment), two technology showcases and two discussion groups.

Moreover, for all the attendees who will be present on-site, a brand-new TEsD talk will be offered this year: "Zombie Method Versus Realistic World," with Charvaka Duvvury presenting the ESD world an entirely new angle.

Finally, I need to remember one of the cornerstones of the event: all the exhibitors who will attend our symposium in person! Our industry exhibits display a wide variety of ESD solutions, from established products to leading-edge innovations. Representatives from many different companies welcome you to the exhibit hall to demonstrate their products and services, starting with the welcome reception on Monday evening and continuing until the exhibits close on Wednesday afternoon. The exhibits offer a unique opportunity to meet professionals with hands-on experience on static control methods, evaluation techniques, ESD testing hardware, and many other ESD solutions.

Our general chair, Wolfgang Stadler, and the entire ESDA staff warmly invite everyone to the General Chair's Reception on Wednesday, September 29th, from 5:00 PM to 7:00 PM.

The EOS/ESD Symposium is the premier international event for professionals in industry and academia to meet their peers and learn about the latest technical findings and innovative designs. Come, learn, and have fun!

For more information, see the EOS/ESD Symposium [website](#).