



ESD FORUM e.V.



European EOS/ESD Manufacturing Symposium
November 4 – 6, 2025
ETO Park Hotel, Győr, Hungary

Tuesday, November 4, 2025

TUTORIAL

9:00 - 12:30 **Tutorial 1** **ESD Basics Including ESD Control Program**
What is ESD? Mathematical and physical concepts;
charging methods, ESD models, ESD protection concepts,
Administrative and Technical contents of an ESD Control
Program; Standards

Imre Varga, Rondo Kft
Reinhold Gärtner, Infineon Technologies

13:30 - 17:00 **Tutorial 2** **Compliance Verification Including Measurement Techniques**
Goal of a Verification Plan; Standards; Technical
requirements incl. measurements for verification;
documentation

Toni Viheriäkös, Cascade Metrology

Wednesday, November 5, 2025

TUTORIAL

8:30 - 12:00 **Tutorial 3** **ESD Risk Assessment**
Introduction to the approach and measurement methods
for ESD process assessment and risk analysis in typical
production processes in electronics industries.

*Reinhold Gärtner, Infineon Technologies; Wolfgang
Stadler, Gärtner & Stadler ESD Consulting*

Wednesday, November 5, 2025

Symposium

- 13:00 - 13:15 **Welcome and Opening**
Imre Varga, Rondo Kft
- 13:15 - 14:45 **Session 1**
13:15 - 13:45 Control Challenges of Ionizers
Krisztián Eőry, Valeo Auto-Electric Magyarország Kft.
- 13:45 - 14:15 Measurement and Evaluation of Ionizers
Dr. Wolfgang Stadler, Gärtner & Stadler ESD Consulting
Rainer Pfeifle, Wolfgang Warmbier
- 14:15 - 14:45 Graphene-Powered Ionization for Precise Static-E Control
Dr. Aleksey Zolotukhin, University of Eastern Finland
- 14:45 - 15:30 **Break and Exhibition**
- 15:30 - 17:00 **Session 2**
15:30 - 16:00 ANSI/ESD S20.20 and IEC 61340-5-1 Status and Next Activities
John Kinnear, ESD Association
- 16:00 - 16:30 ESD Risks During PCB Assembly Processes
István Kovalik, Harman Becker Automotive Systems Kft.
- 16:30 - 17:00 ESD Risk Assessment for Devices on Printed Circuit Boards
Reinhold Gärtner, Infineon Technologies
- 17:00 - 18:00 **Break and Exhibition with Finger Food**
- 18:00 - 19:30 **Panel Discussion – topic to be defined**

Thursday, November 6, 2025

9:00 - 10:30	Session 3
9:00 - 9:30	Artificial Intelligence and EOS/ESD in Manufacturing <i>Márk Domonkos, Eötvös Loránd University, Budapest</i>
9:30 - 10:00	ESD Testing From the View of Protection and Standards at Bosch Budapest EMC Laboratory <i>Dániel Erdősy, Robert Bosch Kft.</i>
10:00 - 10:30	Electrostatic Discharge Characterisation of Materials <i>Toni Viheriäkoski, Cascade Metrology</i>
10:30 - 11:15	Break and Exhibition
11:15 - 12:45	Session 4
11:15 - 11:45	Exploring Cardboard's Electric and Magnetic Behavior Through Varied and Insightful Measurements <i>Máté Liszi, Széchenyi University, Győr</i>
11:45 - 12:15	Inherently Dissipative Polymer Film vs. Carbon Black Film – Electrostatic Discharge Performance Comparison <i>Tapio Hietaranta, Cargill</i>
12:15 - 12:45	Engineering Materials in ESD Protection Applications <i>Gabor Sike, Robert Bosch Elektronika Kft.</i>
12:45 - 14:00	Lunch-Break
14:00 - 16:00	Session 5
14:00 - 14:30	Handtools vs. ESD Risks <i>István Kovalik, Harman Becker Automotive Systems Kft.</i>
14:30 - 15:00	Assessment of ESD-Compliant Trays and Materials <i>Lena Zeitlhofer, Infineon Technologies</i>
15:00 - 15:30	Challenges and Innovations in the Automation of Field Strength Measurements <i>Barnabás Tarsoly, Rondo Kft</i>
15:30 - 16:00	Trends in Electrostatic Control in Healthcare <i>Toni Viheriäkoski, Cascade Metrology</i>
16:00 - 16:15	Wrap up and Closing

The prices for the event:

Symposium	400.00 €
Tutorial 1	300,00 €
Tutorial 2	300,00 €
Tutorial 3	300,00 €
Bundle with 2 Tutorials	500.00 €
Bundle with 3 Tutorials	700.00 €
Table (1m x 2m) for exhibition	1000,00 €

For registration please go to: <https://fienta.com/european-eos-esd-manufacturing-symposium-2025?3f163c56dc68ffdc246bdf067f10ad0>

Accommodation:

A special room rate of 90 euros per night (including breakfast) is available for the symposium guests at ETO Park Hotel <https://hoteletopark.hu/>



For a reservation with the special rate of 90,00 € incl. breakfast, please write an e-mail to: reservation@hoteletopark.hu and mention the name of the event „European EOS/ESD Manufacturing Symposium”

If your company wants to exhibit, please contact Reinhold Gaertner (Reinhold.Gaertner@esdforum.de) or Imre Varga (imre.varga@rondo.hu)

If you plan to come by plane to Győr, a good possibility is to fly to Vienna. A shuttle could be organized from Vienna Airport to ETO Park Hotel (ca. 50 € per trip and car). If you are interested in a shuttle service, please contact Imre Varga (imre.varga@rondo.hu)