

EFCE SpotLight Talks

10 Webinars

from
23 November
to
4 December
2020



EFCE

European Federation of Chemical Engineering

Electrostatics in industry: risks, measurements and materials. *Working Party: Static Electricity in Industry*

***ELECTROSTATICS 2022
Wroclaw (Poland)***



PROGRAM

- 13:00 **Welcome and introduction**
Pedro Llovera-Segovia, Chair of WP Static Electricity in Industry
- 13:15 **Learning lessons from five electrostatic incidents**
Simon Egan, Solvay - France
- 13:45 **Understanding Electrostatic measurements: basic principles and standards**
Philippe Molinié, Centrale Supélec - France
- 14:15 **Practical measurements for working in ATEX Zones: application of IEC 60079-32-2**
Jeremy Smallwood, Electrostatic Solutions - UK
- 14:45 **Electrostatic properties of PPE and development of new full garment test methods**
Paul Holdstock, Holdstock Technical Services - UK
- 15:15 **Conclusions and closing**
Pedro Llovera-Segovia, Chair of WP Static Electricity in Industry

WP STATIC ELECTRICITY IN INDUSTRY

The WP “Static Electricity in Industry” is devoted to the problems and applications of Static Electricity in Industry.

- Safety incidents, explosions
- Damage to electronics
- Understanding electrostatic processes in industry
- New standards and its application and understanding
- Precipitators and separators, ozone generation and exhaust gases treatments
- Electrospinning and electrospraying techniques for nanotechnology
- Electrohydrodynamic flow controlled by electrostatic discharges in liquids for micropumping or aerodynamic flow control
- High voltage direct current (HVDC)
- Applications in the aerospace industry
- Biological applications
- Etc.

ELECTROSTATICS 2022



Wrocław, Poland
28th March to 1st April 2022



ELECTROSTATICS 2022 - ORGANIZING COMMITTEE

- **CHAIRMAN - SŁAWOMIR PIETROWICZ**
- **EWA RYSIAKIEWICZ-PASEK – VICE-CHAIRMAN**
- **MAREK GŁOGOWSKI – SECRETARY AND VICE-CHAIRMAN**
- **ADAM ZAWISZA – MEMBER**
- **DANIEL SMYKOWSKI – MEMBER**
- 6. **BARBARA KARCZ – MEMBER**



Faculty of Mechanical and Power Engineering



PROF. JULIUSZ GAJEWSKI

Professor of the Faculty of Mechanical and Power Engineering at the Wrocław University of Technology.

A valued teacher, outstanding scientist, educator of many generations of students, engineers and PhD students.

Expert in Electrical Engineering in the specialties of static electricity, fluid mechanics and metrology

ELECTROSTATICS 2022 – DATES AND PROCEEDINGS

PROCEEDINGS OF THE CONFERENCE WILL BE PUBLISHED AT A SPECIAL ISSUE OF THE JOURNAL OF ELECTROSTATICS.

**CALL FOR ABSTRACTS IS NOW OPEN UNTIL
15TH DECEMBER 2020**

A SECOND CALL FOR PAPERS NOT TO BE PUBLISHED IN THE JOE, WILL BE ANNOUNCED LATER IN 2021



ELECTROSTATICS 2022 – CONTACT



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Learning lessons from five electrostatic incidents.



Dr. Simon Egan

Simon worked on chemical process development from 1975 to 1990 in England. Since then he has been working on chemical process safety in France. He is active in the fields of static electricity and pressure relief devices.

Understanding Electrostatic measurements: basic principles and standards.

Dr. Philippe Molinié



Philippe received in 1987 his engineering degree from the Ecole Supérieure d'Électricité (Supélec). He obtained the Ph.D. degree from the Université Pierre et Marie Curie (Paris VI University) in 1992 in the field of dielectrics and electrostatics. He is a teacher-cum-researcher since 1995 at Supélec, currently Centrale Supélec. He works on surface potential measurements, dielectric materials characterization, charge injection into insulating materials and electrostatic risk.

Practical measurements for working in ATEX Zones: application of IEC 60079-32-2



Dr. Jeremy Smallwood.

Jeremy designed electronic instruments before completing his PhD in electrostatic discharge ignition studies. In 1998 he formed Electrostatic Solutions Ltd, providing electrostatics consultancy, training and R&D services. He works with British and IEC standards and was awarded the 2010 ESD Association Industry Pioneer Award and 2017 International Fellow Award at Electrostatics 2017.

Electrostatic properties of PPE and development of new full garment test methods



Dr. Paul Holdstock

After graduating from Manchester Polytechnic in 1987, Paul joined the Shirley Institute (now part of the British Textile Technology Group) as a research officer in the Electrostatics Laboratory. He completed his PhD thesis on electronic damage caused by ESD from textiles in 1999. He now operates his own business and is an active member of BSI, CEN, CENELEC, ISO and IEC technical committees.

CONTACT INFORMATION



CALL FOR ABSTRACTS
ELECTROSTATICS 2022

15TH DECEMBER 2020



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