

EFCE Spotlight Talks

Working Party on
Static Electricity in Industry

12
March
2026

10:30-12:00
CEST



New applications of electrostatics in chemical engineering

Electrostatics is a cross-disciplinary field in Chemical Engineering, ranging from the risks associated with static charge during production processes or material handling, to applications in materials, material separation, filtration, and more. In this webinar, we will describe two innovative applications recently presented at the International Conference on Electrostatics (Electrostatics 2025).

The first presentation, by Benjamin Hotte, introduces a promising application of electrostatics in the separation of black mass for battery recycling, which can improve process efficiency.

The second application, presented by Prof. Stéphane Holé, combines for the first time the use of cyclic voltammetry and space-charge measurement to monitor electrochemical processes at an electrode/electrolyte interface, which could be applied to battery characterization.

PROGRAM

- 10:30 **Welcome and introduction**
Prof. Pedro Llovera, Chair of the WP on Static Electricity, Energy Technological Institute, Polytechnic University of Valencia - Spain
Boelo Schuur, EFCE Scientific Vice-President
- 10:40 **Application of triboelectrification for electrical vehicle active battery component.**
Benjamin Hotte, Dep. of Chemical and Biological Engineering, Univ. of Ottawa, Canada
- 11:15 **Coupling space charge distribution and cyclic voltammetry measurements.**
Prof. Stéphane Holé, LPEM, Sorbonne University, ESPCI Paris – PSL University, CNRS Paris – France
- 11:45 **Concluding remarks**
Prof. Pedro Llovera-Segovia, Chair of WP Static Electricity in Industry

[REGISTRATION](#)

free of charge but mandatory

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