

Proceedings of the 2013 ESA Annual Meeting on Electrostatics
June 11-13, 2013
Cocoa Beach, FL

General Chair: Charles Buhler, CRB High Field
Technical Chair: David Go, University of Notre Dame

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- A2. **Gabriela Buda, Adrian Samuila, Mihai Bilici, Atroune Salah, Lucian Dascalescu**, [Premises for Statistic Control of a Tribocharging Process for Granular Materials](#)
- A3. **Teerarat Likitwattanasade, Sheryl Barringer**, [Separation of Powder Mixtures during Nonelectrostatic and Electrostatic Coating](#)
- A4. **Jue Wang, Martin de Wit, Erik Smits, Maarten Schutyser, Remko Boom**, [Tribo-Electric Charging for Dry Separation of Food Ingredients Using Electrostatic Driving Forces](#)

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- B1. **Tahir A. Jedly, Chitral J. Angamma, Shesha H. Jayaram**, [Use of Needleless Electrospinning to Disperse Nanosilica in Silicone Rubber](#)
- B2. **Souvik Ghosh, R. Yang, P.X.L. Feng, C.A. Zorman, R.M. Sankaran**, [Reactions between Plasma Discharges and Polymer Films Containing Metal Precursors](#)
- B3. **Adrian Ieta, Marius Chirita, Justin D'Antonio, Mihaela Luminita Kiss**, [Magnetic Materials by Concurrent Electrospinning and Electrospinning](#)
- B4. **Thomas S. Varley, Katherine Holt**, [Searching for Cryptoelectrons – Electron Transfer Reactions on Insulating Materials](#)
- B5. **Daniel Erickson, Jeremy Stark, Fang Hao, Steven Jung, Mark Horenstein, Malay Mazumder**, [Fabrication of Transparent Electrodynamic Screens by Screen Printing](#)

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- C2. **Osameh Ghazian, Kazimierz Adamiak, G. S. Peter Castle**, [Resonance and Coalescence of Sessile Droplets in a Rotating Electric Field](#)
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- C4. **Atsushi Katatani, Hiroshi Hosono, Hikaru Murata, Hiroshi Yahata, Akira Mizuno**, [Electrostatic Precipitator Utilizing Gradient-force](#)
- C5. **Igor Krichtafovitch, Tsrong Yi-Wen, Alexander Mamishev**, [Design of an Electronic Air Cleaner with Porous Collecting Electrodes](#)

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- D3. **Erika A. Estrada, William Sarraf, Brandon, Christopher Carrillo, Jacqueline Deeb, Leah Zajicek, Winny Dong, Keith M. Forward**, [Anti-bacterial Effectiveness of Casted Films and Electrospun Mats Containing Magnesium Oxide Particles](#)

D4. **Masahiro Watanabe, Norimitsu Ichikawa, Tetsuo Sakamoto**, [Determination in Operation by the Frequency Analyzing Induced Voltage Generated by the Movement of the Charged Human Body](#)

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- J2. **Miloud Kachi, Lucian Dascalescu**, [Corona Discharge from Wire Electrodes as Affected by the Proximity of Metallic Objects at Fixed or Floating Potential](#)
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- J5. **Shota Yuyama, Norimitsu Ichikawa, Tetsuo Sakamoto**, [Comparison of Short Circuit Current by Difference of Gap Length between Electrical Outlet and Tracking Resistance Plug](#)

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- K2. **Jeremy Stark, Daniel Erickson, Fang Hao, Steve Jung, Daniel Neumann, Mark Horenstein, Malay Mazumder**, [Development of Self-Cleaning Solar Mirrors Utilizing Transparent Electrodynamic Screens](#)
- K3. **Janusz Podlinski, A. Berendt, J. Mizeraczyk**, [EHD Devices with Parallel and in Series Spiked Electrodes for Air Pumping and Cleaning](#)
- K4. **Akinori Zukeran, Kazuya Ninomiya, Yoshiyasu Ehara, Koji Yasumoto, Hitomi Kawakami, Takashi Inui**, [SO_x and PM Removal using Electrostatic Precipitator with Heat Exchanger for Marine Diesel](#)
- K5. **Steve Trigwell, Charles Buhler, Alex Biris**, [Latest Developments of the Electrodynamic Dust Shield](#)