

# Electrical Insulation Breakdown and Its Theory, Process, and Prevention: Emerging Research and Opportunities

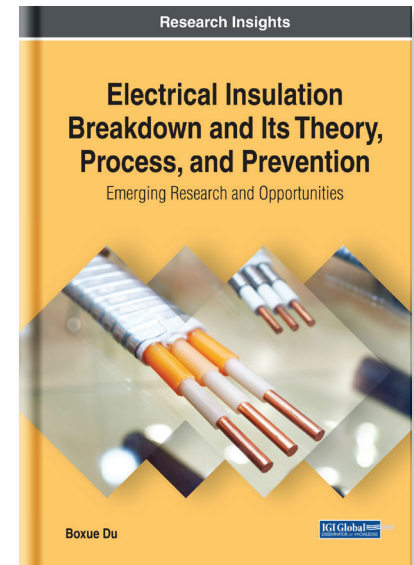
Part of the Advances in Computer and Electrical Engineering Book Series

Boxue Du (Tianjin University, China)

## Description:

In electrical engineering manufacturing, one of the most important processes stems from making sure the material used to distribute the electrical current is safe and operating correctly. The precarious nature of electricity makes developing innovative material for advanced safety a high-ranking priority for researchers.

**Electrical Insulation Breakdown and Its Theory, Process, and Prevention: Emerging Research and Opportunities** provides innovative insights into the latest developments and achievements in high voltage insulation breakdown. Featuring topics such as nanodielectrics, thermal stability, and transmission technology, it is designed for engineers, including those that work with high voltage power systems, researchers, practitioners, professionals, and students interested in the upkeep and practice of electric material safety.



**ISBN:** 9781522588856

**Release Date:** June, 2019

**Copyright:** 2019

**Pages:** 230

## Topics Covered:

- Electric Field Distribution
- Electrical Engineering
- Insulation Failure
- Material Science
- Mechanical Stress
- Nanodielectrics
- Polymetric Material
- Thermal Aging
- Thermal Stability
- Transmission Technology

**Hardcover: \$215.00**

**E-Book: \$215.00**

**Hardcover + E-Book: \$260.00**

## Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: [www.igi-global.com](http://www.igi-global.com)

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA