



5<sup>th</sup> Global Power, Energy and Communication Conference

Cappadocia/TURKIYE

June 14-16, 2023

## **Special Online Session on Protection methods and devices for power system**

Due to the increasing integration of renewable energy sources and distributed generation, the risk of short circuits and over-voltages increases each year. These faults can cause a significant damage to power system. Therefore, it is important to develop modern protection methods and devices. In this special issue, we are looking for research papers describing presenting new topologies of fault current limiters and their control methods, new circuit breakers and relays structures (e.g. solid-state circuit breakers), new approaches and algorithms in cyber protection of power systems, and more.

### **Topics of interest include, but are not limited to:**

- Fault current limiters- topologies and control methods
- Digital protection methods
- Circuit breakers
- Relays
- Phasor measurement units
- Protection challenges under renewable energy penetration
- Energy storage systems and transient issues
- Cyber protection

### **Organizer(s):**

Dr. Dmitry Baimel  
Shamoon College of Engineering  
E-mail: [dmitrba@sce.ac.il](mailto:dmitrba@sce.ac.il)

### **Deadlines of the special session:**

Full paper submission (maximum 6 pages):	<b>March 26, 2023</b>
Notification of acceptance:	<b>April 30, 2023</b>
Final submissions due:	<b>May 14, 2023</b>

All the instructions for paper submission are included at the conference website.  
<https://gpecom.org/2023/guidelines/>