



**CALL FOR PAPERS  
SPECIAL SESSION ON  
Advances in fault diagnosis and prognosis of power electronic converters in  
power systems  
for ICCAD'23  
May 10-12, 2023, Rome-Italy**

**Session Co-Chairs:**

- Prof. Lotfi Saidi, University of Sousse- Tunisia, lotfi.saidi@essths.u-sousse.tn
- Prof. Mohamed Benbouzid, University of Brest- France, Mohamed.Benbouzid@u-brest.fr
- Dr. Eric Bechhofer, Green Power Monitoring Systems, USA, ebechhofer@gmail.com

**Session description:**

This special session deals with the problem of fault diagnosis and prognosis for power electronic converters in power systems. The papers invited to this special session not only need to conduct in-depth theoretical analysis of the faults that may appear in power electronic converters but also need to propose corresponding fault diagnosis or prognosis strategies.

The goal is to discuss new advances in the diagnosis and prognosis methods of power electronics in power systems. Novel theoretical and/or experimental contributions are welcome, as well as review articles of specific topics within the following-mentioned scope.

The topics of interest include, but are not limited to:

- Degradation and aging process of electric machines, and power converters
- Condition monitoring, fault diagnosis, and prognosis of power converters
- Advanced signal processing for diagnosis and prognosis of power converters
- Artificial Intelligent for diagnosis and prognosis of power converters
- Fault-tolerant mechanisms

---

**SUBMISSION**

Papers must be submitted electronically for peer review by **January 31, 2023**

[Submission – ICCAD 2023 \(iccad-conf.com\)](http://iccad-conf.com)

All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double-column format).