## **Abstract Submission Form**

## MODELING OF IEEE 9-BUS MODIFIED TEST SYSTEM USING OPENIPSL

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## **ABSTRACT:**

The IEEE 9-bus modified test system consists of 3 synchronous machines with IEEE type-1 exciters. There are 12 buses, 6 transmission lines, 6 transformers and 3 constant impedance loads. The total load demand is 315 MW and 115 MVAr.

The power system is subjected to the load disturbances and three phase balanced fault. The voltage profile is improved using FACTS devices.

## **SINGLE LINE DIAGRAM:**

