

Contents

Editorial

i

Research

Design of Control Systems for Grid Interconnection and Power Control of a Grid Tie Inverter for Micro-grid Application -
Deepak Choudhary

1

An analytical Approach for Testing the Air gap Tuning Effect on an Equitriangular Microstrip Antenna's Radiation -
L. Djouablia, A. Labbani, A. Benghalia

10

Testing Access Control Policy through Change Rule and Swap Rule Algorithm (CRSR) -
Patricia Ghann, Ju Shiguang, Conghua Zhou

18

Book Review

31

Conference Notification

32

- Fourth International Conference on Future Generation Communication Technologies (FGCT 2015)
- First International Conference on Data and Communication for Science, Technology and Society (ICDCST 2015)
- Fifth International Conference on Innovative Computing Technology (INTECH 2015)

Editorial

In the first paper on “**Design of Control Systems for Grid Interconnection and Power Control of a Grid Tie Inverter for Micro-grid Application**”, the author *Deepak Choudhary* has designed a microgrid lab with many features. The author in this paper has discussed the design, simulation and practical implementation of control system described in various microgrid scenarios.

In the next paper on “**An analytical Approach for Testing the Air gap Tuning Effect on an Equitriangular Microstrip Antenna’s Radiation**” the authors *Djouablia, Labbani* and *Benghalia* have presented the effect of air gap tuning on the resonant frequency and radiation field of an equitriangular microstrip antenna.

Patricia Ghann, Ju Shiguang and *Conghua Zhou* in the last paper on “**Testing Access Control Policy through Change Rule and Swap Rule Algorithm (CRSR)**” proposed an algorithm for generating mutant policies based on XACML Context Schema, known as Change Rule and Swap Rule Algorithm (CRSR) Their algorithm focuses on the rule and target of a policy set or policy. Mutants generated based on XACML Context Schema for policies using the proposed algorithm is compared by them with mutants generated by using mutation testing where specific mutant operators are applied.

Hope the papers are stimulant for next level research.

Editors