

Contents

Editorial	i
-----------	---

Research

Design Applications ProSIARS as Media Support for Optimize the Simulation Based Learning- Slamet Sudaryanto N, Maryani S, Sudaryanto	1
---	---

N-way Local SemiJoin : A Filtering Technique for N-Way Joins in Wireless Sensors Networks- Djail boubekeur, Hidouci Walid-Khaled, Loudini Malik	7
--	---

Two Level Fuzzy Approach for Dynamic Load Balancing in the Cloud Computing - Mir Mohammad Alipour, Mohammad Reza Feizi Derakhshi	17
---	----

Book Review	32
--------------------	----

Conference Notification	33
--------------------------------	----

- Fifth International Conference on the Future Generation Communication Technologies
(FGCT 2016)
- Sixth International Conference on Innovating Computing Technology
(INTECH 2016)
- Eleventh International Conference on Digital Information Management
Porto, Portugal

Editorial

We with this issue begin the publication of the sixth volume of the Journal of Electronic Systems. In the last six years the JES has produced large number of interesting papers in electronics and related sub-domains. We hope to continue in the same path with good quality research papers.

This issue has the following papers. In the first paper on **Design Applications ProSIARS as Media Support for Optimize the Simulation Based Learning** the authors Slamet Sudaryanto N1, Maryani S2, Sudaryanto designed a prototype for simulation of the administration of the hospital medical records. They provided a template interface and set of application modules to be arranged into administration education simulation framework needs medical records. Prototype design is done with the stages of the SDLC. The approach uses quasi-experimental research with methods of non-equivalent control group design.

In the second paper on **N-way Local SemiJoin: a filtering technique for n-way joins in wireless sensors networks the authors have proposed** a new technique for n-way join queries is suggested, using an in-network processing and adopting the filtering approach. Simulation results showed very good performances of the proposed technique compared with a central processing of those queries at the sink.

In the next paper on **Two level fuzzy approach for dynamic load balancing in the cloud computing the authors have proposed** a new two level fuzzy approach for dynamic load balancing in cloud computing. This approach characterizes the uncertainty in a distributed system by using the fuzzy logic and through the experiments the authors have found that the proposed algorithm shows better average of response time and throughput than Round Robin and Randomize algorithms.

The papers in this issue are interesting and focused new aspects of research.

Editors