Journal of Networking Technology Volume 4 Number 1 March 2013

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Editorial

We are pleased to release the first issue of the fourth volume of the **Journal of Networking Technology**. This issue has some new pieces of research direction in networking.

The research on The Wireless Mesh Network has been on increase evident from the literature. The first paper on wireless networks was initiated by Abderrahim Maizate and Najib El kamoun where they addressed the energy consumption. In the paper on Enhanced Passive Clustering Algorithm for Wireless Sensor Network, they proposed Enhanced Passive Clustering Algorithm for Wireless Sensor Network. The documented the simulation analysis of the EPC over the existing system which shown the improvement in performance attained through the proposed passive clustering protocol. The next paper on Routing Metric for Wireless Mesh Networks by Naima EL Haoudar, Abdelilah Maach and Takuhiro Nishio presented a new metric for routing in multi-radio, multihop wireless networks. Their work has enabled to choose a high-throughput path between a source and a destination.

The Next generation networks will combine various access technologies to enable users to roam freely from one access network to another which is referred as Vertical handovers visualize the author Nadine Akkari in his paper on WiMax-based Handovers in Next Generation Networks. The author has investigated based on the handover decision process that will make use of the emerging WiMax technology in order to guide the vertical handover to the suitable destination network in terms of network availability and service provisioning. He made an effort to add a context Adjustment Unit CAU to the WiMax Connectivity Service Network CSN to guide the handover, according to the HO context requirements, either horizontally or vertically.

Saurabh Dixit argues in his paper that the transition from 3G (Third generation) to 4G (Fourth generation) is defined by the need for increased data rate. He claims that the Multiple-input multiple-output (MIMO) wireless technology is an attractive air-interface solution to meet the demands of 4G networks. He has described the overview of the basics of MIMO-OFDM technology and focuses on performance in Fourth generation (4G) standard like Long Term Evolution (LTE) in his paper on Performance of MIMO Assisted OFDM in 4G Networks.

In the last paper on Fussy re-clustering for routing in Wireless Sensor Networks, the authors Asma Messaoudi Abdelhamid Helali and Ridha Bouallegue have proposed a novel approach for energy efficient clustering technique using the fuzzy logic method. The clustering technique has been proven effective to optimize the energy consumed by the nodes of a wireless sensor network during data routing. Their experimental results support their arguments.

Editors

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