Contents

Editorial

In networking technology, protocols are the central component as they determine the functioning as well as the effciency of networks. Realizing its value, *Madiha Kazmi, Muhammad Younas Javed* and *Muhammad Khalil Afzal* in their paper on, *An experimental study of the performance and effectiveness of TCP Variants in IP and MPLS Networks* addressed the TCP Variants in IP and MPLS Networks. They found that different variants of TCP show varying behavior in best effort Internet Protocol networks. This paper presents an extensive investigational study of TCP variants under IP and MPLS networks by focusing Tahoe, Reno, New Reno, Sack and Vegas under File Transfer Protocol (FTP).

Khalid Iqbal, Sohail Asghar and *Simon Fong* have studied the sensitivity issue in Associative Rule Mining through their paper on *PPDM Model dependent Bayesian Network for XML Association Rules Mining*. They have argued that the sensitivity issue is ignored in the ARM process. They presented a PPDM model via Bayesian Network (BN) which can reliably hide away sensitive rules in ARM.

Andrew Chen in his paper on *Dynamic Implicit Strict Partially Ordered Sets* has viewed that in sets, posets exist implicitly. He addrssed the ordering information issues in sets deeply in his work.

Saloua Chettibi and *Salim Chikhi* in their paper on *Adaptivity condition as the extended Reinforcement Learning for MANETs* treated the efficiency feature of MANET. They have viewed that adaptabilty is crucial in routing the tasks correctly. They presented the application of Reinforcement Learning (RL) technique to achieve adaptive routing in MANETs.

Vijendra Rai, Arvind Kumar, Jaishree Rai and *Prashant Kr. Singh* in their paper on *Performance Model for Campus Area Network Based on MAC Protocol* have presented the fact that the routing simulations over ad hoc networks indicate the network capacity as poorly utilized in terms of throughput and packet delay when the 802.11 MAC protocol is integrated with routing algorithms. They have created a performance model of Wireless local area network to show the condition when large number of mobile nodes take part, move and communicate with one another in a WLAN. They have provided their simulated model taking varying slot time from 20 to 15, 12 & 10 micro seconds for getting optimum key point for such WLANs.

We hope that the papers published in this issue offer effective inputs for better research in networking.

Editors