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Editorial

We in this issue present three pieces of research.

In the opening paper on **"Modeling Network Security using Colored Petri Nets Model"** the authors *Abdelali EL BOUCHTI* and *Abdelkrim HAQIQ* have proposed Colored Petri Net (CoPNet) modeling approach with new modelling constructs and analysis approaches. The most incremental feature of the CoPNet based attack model is that it is flexible enough to model Internet intrusion including the static and dynamic features of the intrusion. They presented three case studies to illustrate the CoPNet approach.

The openness in wireless technology leads to security issues which is codified by *Lin Chen, Yun Lan, Gang Li and Yulei Yuan* in their paper on **"Access Point Location and Trajectory Tracking Method based on the Weight Update"**. To adderss this challenge the research of unauthorized access point location and trajectory tracking is mooted. The current research proposed an optimization model of wireless signal propagation. Then an access point location and tracking method called APL_T is put forward, by the authors in their model which supports three-dimensional location based on the weight update improving the location accuracy effectively and raises the trajectory tracking of the access point in the light of the three-dimensional location. Finally, the experimental results they did show that APL_T has a high accuracy and can meet practical requirements.

Another work on security issues in network is addressed by *Abdelali EL BOUCHTI*, and *Abdelkrim HAQIQ* in their paper on **"Secure Communication and Routing Architecture in Wireless Sensor Networks"**. They have proposed novel security mechanism by combining features of two security architectures in WSNs, i.e., TESLA from SPINE and Bloom Filters (BF) from MiniSec. They have used TOSSIM for simulation and showed that our proposed mechanism perform better than other security schemes.

The papers published in this issue are crucial and mark the value in the current research.

Editors

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