

State of the Art and Research Challenges for USN Traffic Flow Models

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Abstract—The traffic flow model was one of the most important investigation topic for any networks during them evolution. The traffic flow model understanding was changes from network to network, from service to service. The USN traffic flow models are in the focus of this paper. The telemetry, image and medical USN applications traffic flow models are investigated. The self-similarity features are determined. The practical benefits of obtained results are considered. The traffic flow type impact to the USN life-time in the different intrusion conditions is proved.

Keyword—USN, traffic flow, Hurst parameter



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