



SDI Review Form 1.6

Journal Name:	Asian Journal of Research in Computer Science
Manuscript Number:	Ms_AJRCOS_43260
Title of the Manuscript:	Traffic Modeling Using Raw Packet Generator on Corporate Computer Network
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments		
Minor REVISION comments		
Optional/General comments	Fractal dimension is mathematically defined as a ratio of statistical complexity of network traffic. Its significant 8 manifestation can affect the network performance. In this work, two models of corporate computer networks 9 have been developed using optimized network engineering tool (OPNET) technology. The corporate network is 10 modeled using raw packet generator (RPG) traffic with ($H = 0.7$, $D = 1.3$), under the influence of Pareto 11 distribution. Autocorrelation function and power law were used to confirm the presence of fractal traffic on the 12 networks. Average Hurst index (H) of 50 and 100 work stations were estimated using aggregate of variance, 13 absolute moment, periodogram and R/S methods as 0.627, 0.608 and its corresponding fractal dimensions (D)14 were obtained as 1.371 and 1.391 respectively.	

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