EC ICCIT 2016 (author)

| New Submission | Submission 104 | Templates | ICCIT 2016 | News | EasyChair |

ICCIT 2016 Submission 104

You submission has been saved and is shown at the bottom of this page. You can now also declare conflicts of interest for this submission.

A conflict of interest means any circumstances that can potentially prevent a PC member from writing a fair review or comment about your submission.

All declared conflicts will be viewed by ICCIT 2016 chairs, who may decide to add or to ignore them.

Conflict of Interest Declarations

The table below contains all PC members. If there are PC members for which you wish to declare a conflict, select all of them and press the "Declare Conflicts" button. You will be asked to select a reason and give an explanation for each declaration.

	Name	Organization
☐	Dr. Md. Atiqur Rahman Ahad	University of Dhaka
☑	Prof. Mohammad S. Alam	University of South Alabama
☐	Arshad Chowdhury	North South University

Declare Conflicts

Submission Information

Paper 104	
Title:	Measuring the Variability of CAIDA Internet Traffic Traces
Paper	
Author keywords:	Network Traffic Trace Index of Variability Network Traffic Modeling
EasyChair keyphrases:	time scale (290), traffic trace (273), source link speed (206), caida internet traffic (190), variability curve (160), internet traffic trace (158), aggregate trace ipv4 trace (100), link speed (100), markovian based model (95), udp trace http (95), trace tcp trace (95), trace http trace (95), trace udp trace (95), tcp trace udp (95), internet traffic (80), network traffic (80), smoothing spline (80), trace ipv6 trace (79), network traffic variability (79), aggregated trace (60), high variability (60), dirb aggregate trace ipv4 (60), link speed increase (47), asymptotic straight line (47), self similar process (47), network protocol dynamic (47), interpolation method (40), higher time (40), significant variability (40), oscillatory behavior (40)
Topics:	Computer Networks and Data Communications, Internet and Web Applications
	In this paper, we studied the variability of 17 CAIDA Internet traffic traces which were collected in 2013, 2014, 2015 and 2016. The variability of these traces was measured by using

Abstract:	the Index of Variability. Based on the results, we outlined several important observations. In particular, the Index of Variability has the ability to reveal significant differences between traffic traces. It is dynamic and its behavior depends on several factors, such as network protocol dynamics and link speeds. In addition, traffic source link speeds have a major impact on network traffic variability (burstiness). Also, results show that there is a significant reduction in the variability for the 2015 and 2016 traces.

Time:	Aug 23, 23:52 GMT
TERMS and CONDITIONS	I have read and agreed the above Terms and Conditions on the Plagiarism and Multiple Submission policy of IEEE and ICCIT. I declare that the work in this submission is original, unpublished and has not been submitted elsewhere for review or publication.
Author conflicts:	none

Authors

first name	last name	email	country	organization	Web page	corresponding?
Georgios	Lazarou	glazarou@southalabama.edu	USA	University of South Alabama		✓
Mohammad	Alam	malam@southalabama.edu	USA	University of South Alabama		
Joseph	Picone	joseph.picone@gmail.com	USA	Temple University		