Public Review for
A Preliminary Performance Comparison of Five Machine Learning Algorithms for Practical IP Traffic Flow Classification
Nigel Williams, Sebastian Zander, and Grenville Armitrage

This work is a a nice empirical study of the use of main-stream machine learning algorithms for the classification of network traffic. As the title suggests, it is a preliminary study, and it does a good job of filling that role.

An important role of this work is to show the need for thorough comparisons between the plethora of proposed solutions for traffic classification. The machine learning techniques and their use is carefully explained that it can also serve as quick primer on supervised learning. Certainly there are other learning algorithms, other features, other performance measures, different approaches to traffic classification, and (in general) more research that could be done. This paper is a good first attempt to create discussion and inspire future research in this direction.

*Public review written by*

Michalis Faloutsos
UC Riverside, USA