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Increasing the rate of intrusion detection based on a hybrid technique Publisher: IEEE

Khattab M. Ali Alheeti; Laith Al-Jobouri; Klaus McDonald-Maier

Abstract:

This paper presents techniques to increase intrusion detection rates. Theses techniques are based on specific features that are detected and it's shown that a small number of features (9) can yield improved detection rates compared to higher numbers. These techniques utilize soft computing techniques such a Backpropagation based artificial neural networks and fuzzy sets. These techniques achieve a significant improvement over the state of the art for standard DARPA benchmark data.

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- Intrusion detection,
- <u>Feature extraction</u>,
- Artificial neural networks,
- <u>Training</u>,
- <u>Accuracy</u>,
- Educational institutions