Aalto University

Errata

Dmitriy Kuptsov
Improving dependability of networks with penalty and revocation mechanisms
School of Science
Aalto University publication series DOCTORAL DISSERTATIONS 185/2014
Date of Errata: 30/06/2017

Chapter 2.2.1, page 20, line 3

As suggested in [155], in these approaches senders obtain relatively short-lived authorization tokens from the receivers

Chapter 3.2.1., page 54, Figure 3.3.

Wrong value of t_c parameter was used and, thus, presented values for optimized backoff factors are slightly higher then they should be.

The change in the optimized backoff factors does not have effect on the obtained experimental results in the paper because we did not use theoretical values in any of the experiments.

Publication 4, page 14

The function $F(p_t)$ is continuous on the interval $p_t \in [0, 1]$. We use the approach presented in [3], which suggests that maximizing $F(p_t)$ is equivalent to minimizing $C(p_t)=\frac{\frac{t_c}{t_s}p_c+p_n}{p_s}$. Thus, by finding its

first derivative and equating it to zero we can obtain the value of E[CW] which yields the maximum throughput: