Revision Notes

December 9, 2013

In the revised version of our paper "Robtic Messge Ferrying for Wireless Networks using Coarse-Grained Backpressure Control", in addition to correcting some typos, we make two modifications as follows:

1. On page 2, we correct the equation (2) as

$$n_p(t) = \min\{R_{src(i),j}(t), Q_{src(i)}(t)\}$$
$$Q_j^i(t+1) = Q_j^i(t) + n_p(t)$$
$$Q_{src(i)}(t+1) = Q_{src(i)}(t) - n_p(t) + \lambda_i$$

And equation (3) as

$$n_p(t) = \min\{R_{j,sink(i)}(t), Q_j^i(t)\}$$
$$Q_j^i(t+1) = Q_j^i(t) - n_p(t)$$

2. In the simulation part on page 5, we mention the transmission rate function we use when doing simulations: "The transmission rate as a function of distance is $R(d) = \log\left(1 + \frac{C}{1+d^\eta}\right)$."