Fig. 12. Comparison of fairness obtained with different scheduling strategies with link and system level simulations. Reproducible by running Reproducibility_Schedulers_batch.m.

VI. CONCLUSIONS

In this paper, we presented the Vienna LTE Simulators, consisting of a link level and a system level simulator. Both simulators are available under a non-commercial open source academic-use license and thereby enable researchers to implement and test algorithms in the context of LTE. The open source availability of the simulators facilitates researchers to reproduce published results in the context of LTE, and thus supports the comparison of novel algorithms with previous state-of-the-art. So far (March 2011), the simulators have been downloaded more than 13,000 times from all over the world.

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