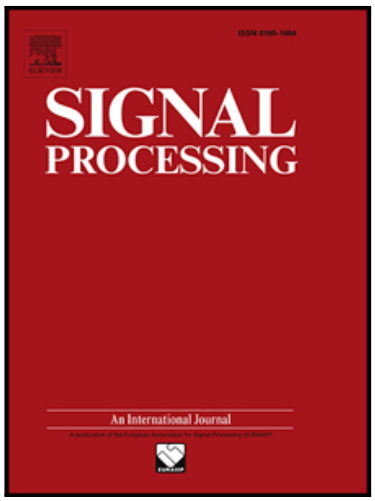

Consistent Sensor, Relay, and Link Selection in Wireless Sensor Networks

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PII: S0165-1684(17)30160-3
DOI: 10.1016/j.sigpro.2017.04.020
Reference: SIGPRO 6466

To appear in: *Signal Processing*

Received date: 11 November 2016
Revised date: 27 April 2017
Accepted date: 28 April 2017

Please cite this article as: Rocío Arroyo-Valles, Andrea Simonetto, Geert Leus, Consistent Sensor, Relay, and Link Selection in Wireless Sensor Networks, *Signal Processing* (2017), doi: 10.1016/j.sigpro.2017.04.020

HIGHLIGHTS

- We formulate optimization problems for sensor, link, and relay selection.
- The formulations guarantee connectivity of the resulting selected subset.
- To solve the problems, we propose two sparsity-aware algorithms based on a convex relaxation.
- We also extend the work to a special case where only link selection is considered.