

Feedback from the Reviewers

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A. Contribution and Clarity:

importance of scope ----- [3 - Minor]
original result ----- [2 - Questionable]
application oriented ----- [3 - Minor]
clear and concise ----- [4 - Significant]

B. Recommendations to TPC ----- [1 - Reject if necessary]

C. Suggested form of presentation -- [P - Poster session]

Comments: While the paper is mostly very well written, the wording can be improved in several places. This is not the reason, however, for my recommendation. The main reason is that a paper that addresses issues posed by real environments for RSSI, should support its claims (here mainly the value of the proposed calibration) through extensive empirical studies, not simulations. The 6 node experiment described in the paper merely "encourages the use of this system in applications..." The paper should also describe the environment where the RSSI values were collected for the 6 node experiment (if it was a parking lot, or a multipath environment). From the paper, it is also unclear how a node, that does not know its location, checks that it is in the same direction of another one. On page 4, the paper indicates how node C, which does not know its coordinates, checks if it is in the same direction as B, with respect to A: "So, node C verifies if its distance to node B is lower than ...". This check can not use the RSSI of the packet received from node B because A's and B's radios are not calibrated (dev_AB is not equal to dev_BA). [Recent empirical research - from Yonsei Univ., has shown that even the antenna orientation (slight changes) can influence the RSSI at a particular distance.]

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A. Contribution and Clarity:

importance of scope ----- [4 - Significant]
original result ----- [3 - Minor]
application oriented ----- [3 - Minor]
clear and concise ----- [3 - Minor]

B. Recommendations to TPC ----- [3 - Fair]

C. Suggested form of presentation -- [P - Poster session]

Comments: The issues of calibration in HECOPS discussed in this paper is important and the new method proposed sounds reasonable. However, it seems the major part of this paper was discussing and showing results of the previously published algorithm. While the new calibration method and result were less than 1 out of the whole 6 pages. I would suggest the author organize their results in a way that readers can easily understand the reason, procedure and result of the new calibration method.

Accepted or Rejected?

- * The manuscript is on the list of accepted manuscripts.
- * The manuscript is not on the list of rejected manuscripts.
- * The manuscript is not on the list of withdrawn manuscripts.
- * The manuscript is not on the list of registered manuscripts.

KD-005401

An Efficient Calibration Method for RSSI-based Location Algorithms
Rafael Pereira Pires, Lucas Francisco Wanner, Antônio Augusto
Fröhlich

Dear Author,

Congratulations! It is our pleasure to inform you that the above paper has been accepted for presentation at INDIN08 - IEEE International Conference on Industrial Informatics to be held in Daejeon Korea from 13th to 16th July 2008. We cordially invite you to attend the conference and to present your paper.

All papers must be re-submitted electronically in their final form, with corrections according to reviewers' comments. The instructions for preparing the final version of the paper and for up-loading it can be found at the conference website <http://iliad.kaist.ac.kr/indin2008/> under Paper Submission.

When you log into the manuscript submission website please find the reviewers' comments for your paper, which are intended to help you improve your paper for final publication. Please address all comments in your final version. Prepare your final paper according to the guidelines given on the conference web page since the submission system checks the camera ready version more strictly than the draft version!

Please be noticed that inclusion of your paper in the conference proceedings is only possible if the

- camera ready version
 - Web based IEEE Copyright form and the
 - registration and payment
- reach us by 22 May 2008!

For each paper, at least one author has to register for the conference, by 22 May 2008. Otherwise, the paper will not be included in the final printed proceedings. Registration information is now available on the Conference web page.

Each paper is allowed maximum 6 pages in the conference proceedings. A maximum of two additional pages, over the 6-page limit, are allowed at a cost of USD 100 per page.

Please also note that authors who intend to present more than two papers at the conference must pay additional registration fees.

Accommodation information is now available on the website and authors are encouraged to book early.

Thank you very much for your contribution, we look forward to seeing you in Daejeon at INDIN08 in July 2008!

Sincerely,
Ju-Jang Lee
Xinghuo Yu
INDIN08 General Chairs