Technical Communication in Your Field

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TODO: ABSTRACT

Categories and Subject Descriptors: C.2.2 [**Technical Communication**]: Computer Science

General Terms: Comments, Communication, Issue Tracking, Technical Language, Version Control

Additional Key Words and Phrases: Technical Communication, ACM Small Format

ACM Reference Format:
Steven Paustian 2015. Technical Communication in Your Field *ACM Ex. Journ.* 0, 0, Article 00 (March 2015), 2 pages.
DOI: http://dx.doi.org/10.1145/0000000.0000000

1. INTRODUCTION

TODO: INTRODUCTION

2. INTERVIEWS

2.1. Professional 1

TODO

2.2. Professional 2

TODO

3. TYPICAL REFERENCES IN NEW ACM REFERENCE FORMAT

TODO

APPENDIX

In this appendix, we measure the channel switching time of Micaz [CROSSBOW] sensor devices. In our experiments, one mote alternatingly switches between Channels 11 and 12. Every time after the node switches to a channel, it sends out a packet immediately and then changes to a new channel as soon as the transmission is finished. We measure the number of packets the test mote can send in 10 seconds, denoted as N_1. In contrast, we also measure the same value of the test mote without switching channels, denoted as N_2. We calculate the channel-switching time s as

$$s = \frac{10}{N_1} - \frac{10}{N_2}.$$

This work was intended, designed, and written for ENGL341-02, Spring 2015.
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DOI: http://dx.doi.org/10.1145/0000000.0000000

By repeating the experiments 100 times, we get the average channel-switching time of Micaz motes: 24.3μs.

ELECTRONIC APPENDIX

The electronic appendix for this article can be accessed in the ACM Digital Library.

ACKNOWLEDGMENTS

The authors would like to thank Dr. Maura Turolla of Telecom Italia for providing specifications about the application scenario..

REFERENCES