

TITLE

A Report Submitted in Partial Fulfillment
of the Requirements for ENSC 427

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March 14, 2010.

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Abstract

Machine to machine communication has long been considered a feature of the next technological age. Networking options available today are either too expensive or cumbersome to justify the information they are able to provide (such as dedicated wired Ethernet or cellular data modems), or do not provide uniform connectivity (such as WiFi). An alternate solution is to use ad-hoc mesh networking. This project will simulate either ZigBee or 802.11s mesh networks in OPNET analyzing delay and packet loss. Time permitting, it will then be extended to simulate and analyze to store-carry-forward or message ferrying techniques in sparse and partitioned networks.

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1

Chapter Name

Chapter introduction

1.1 Section 1

Citation [1].

Reference to section 1: 1.1

Table 1.1: Energy use in the US food system as a percentage of total domestic energy

Process	Study			Average
	Fluck	Singh	Poincelot	
Production	55.36	62.86	62.86	60.36
Wholesale/Retail	28.93	28.21	9.29	22.14
Transport	46.43	8.57	28.21	27.74
Total domestic energy (%)	4.51	4.62	4.76	4.63

Table 1.1 reference.

1.2 Section 2

Descriptions:

Item 1 Descript

Item asdf. Cite 2 [2]

1.3 Section 3

asdf

Sub section

Some more stuff

Sub section

Even more, with a figure:

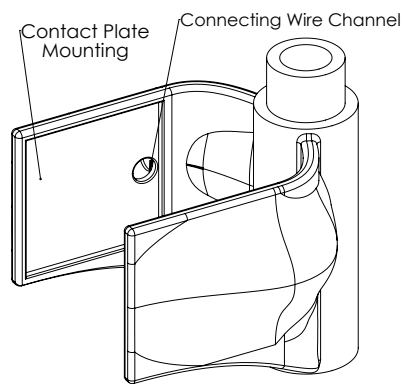


Figure 1.1: Custom Moisture Sensor

And to reference figure 1.1

References

- [1] M. Andersson, “Toxicity and tolerance of aluminium in vascular plants,” *Water, Air, & Soil Pollution*, vol. 39, no. 3, pp. 439–462, 1988.
- [2] “2001 Census: Families and households profile: Canada,” Statistics Canada, 2001, <http://www12.statcan.ca/english/census01/products/analytic/companion/fam/canada.cfm>.