

A Dynamic Programming Approach to Line Segment Detection:Supplementary Material

Emilio J. Almazan, Ron Tal, Yiming Qian, James H. Elder

April 10, 2017

This document shows the 90 top-ranked line segments returned by four line segment detectors for each image of the YorkUrbanDB test dataset. The four detectors are:

- PPHT [19]
- SSWMS [20]
- LSD [25]
- MCMLSD (our detector)

Figure 1: P1020171



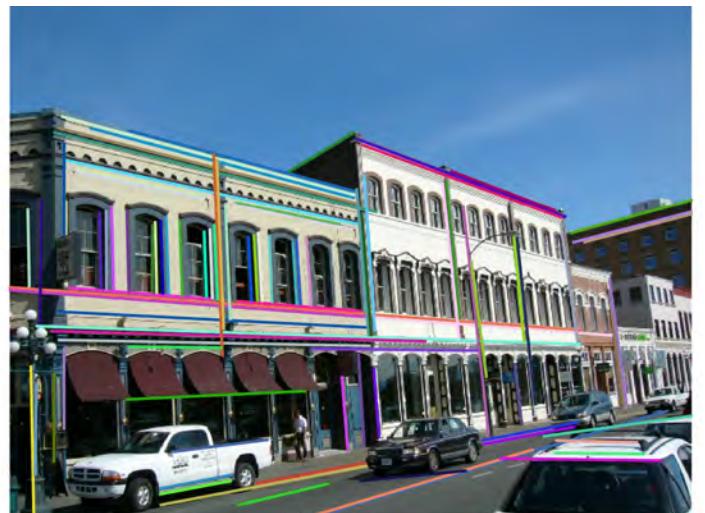
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 2: P1020816



(a) PPHT



(b) SSWMS

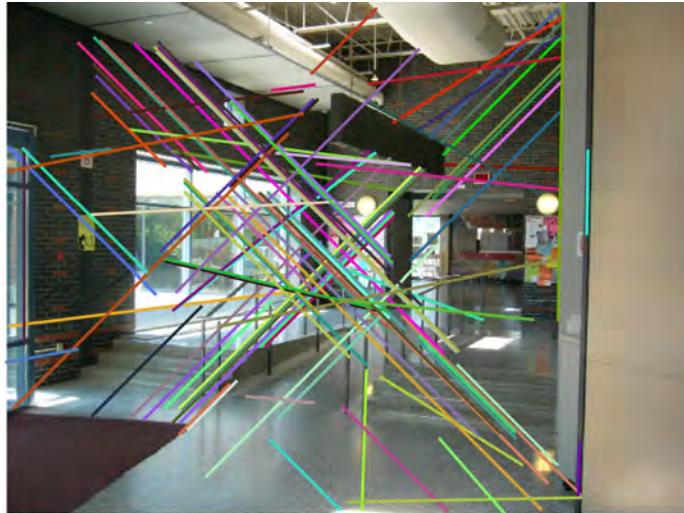


(c) LSD



(d) MCMLSD

Figure 3: P1020817



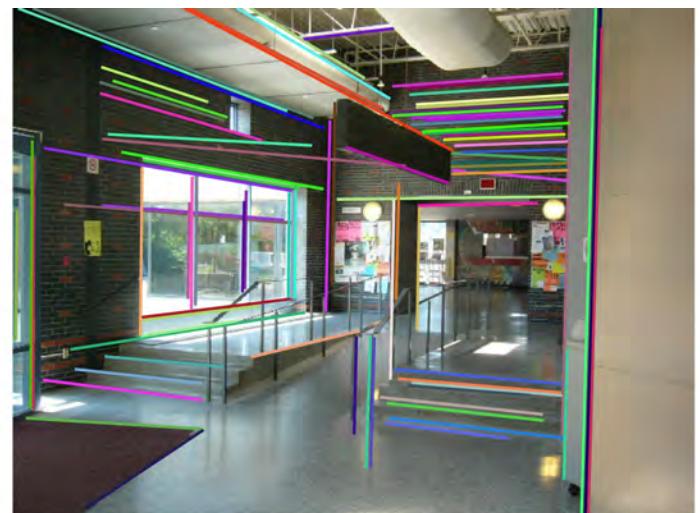
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 4: P1020819



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 5: P1020822



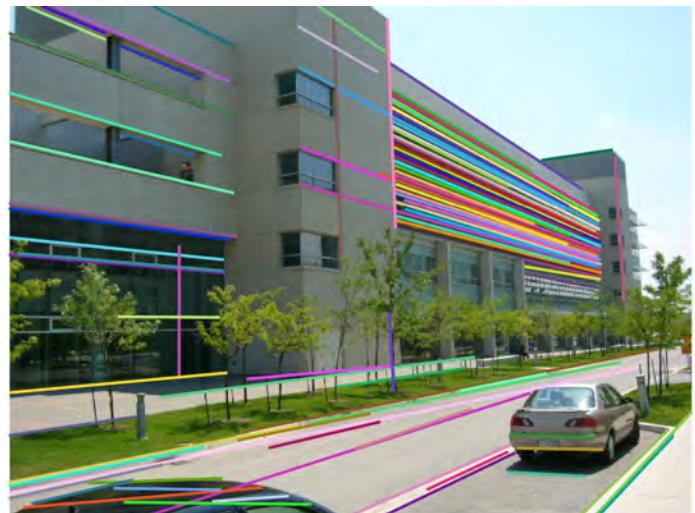
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 6: P1020824



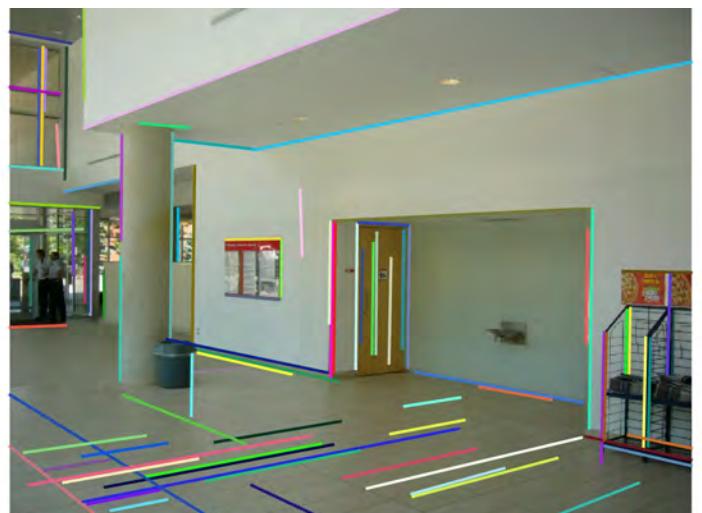
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 7: P1020826



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 8: P1020830



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 9: P1020831



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 10: P1020833



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

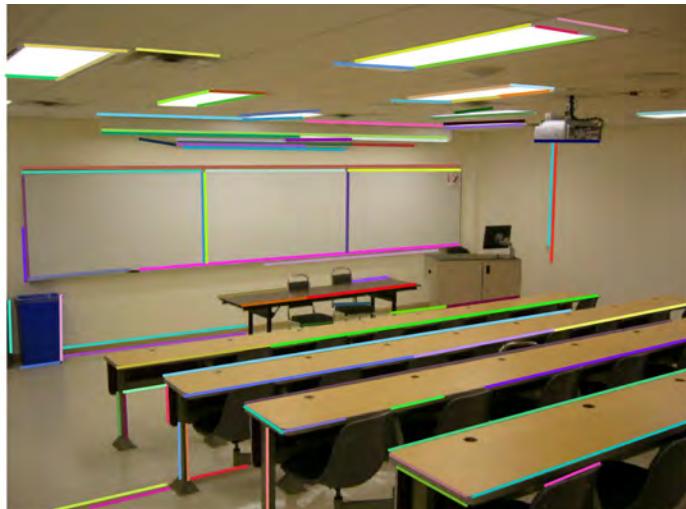
Figure 11: P1020838



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 12: P1020847



(a) PPHT



(b) SSWMS

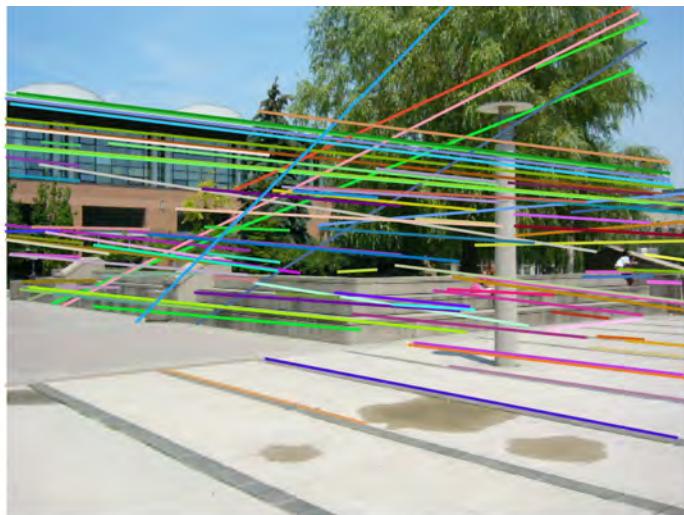


(c) LSD



(d) MCMLSD

Figure 13: P1020854



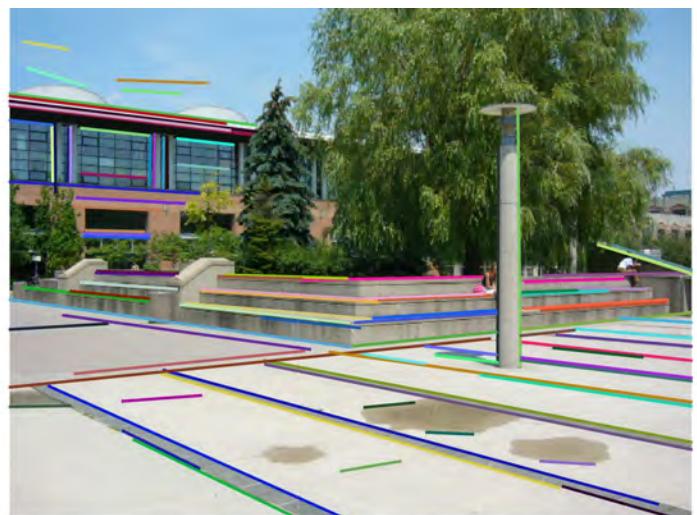
(a) PPHT



(b) SSWMS

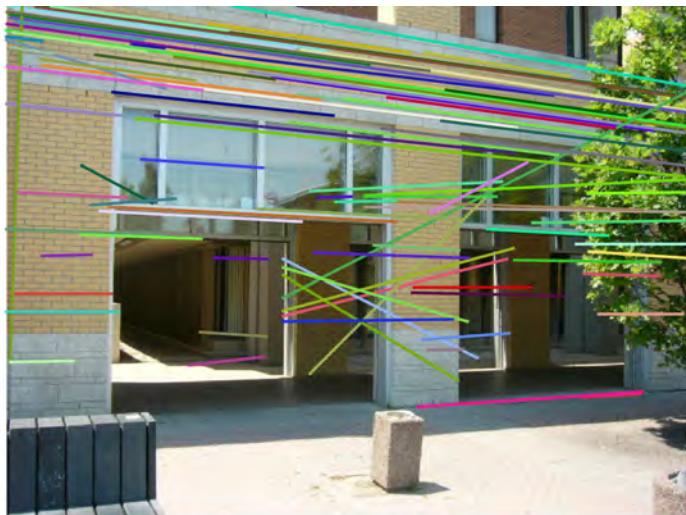


(c) LSD



(d) MCMLSD

Figure 14: P1020856



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 15: P1020867



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 16: P1030004



(a) PPHT



(b) SSWMS

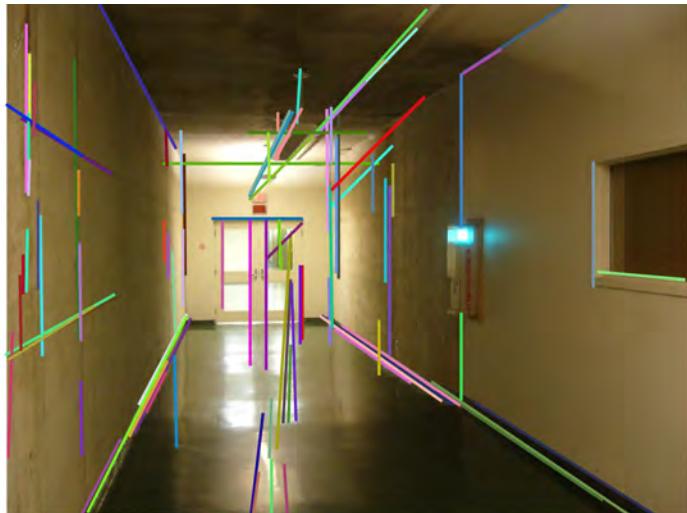


(c) LSD

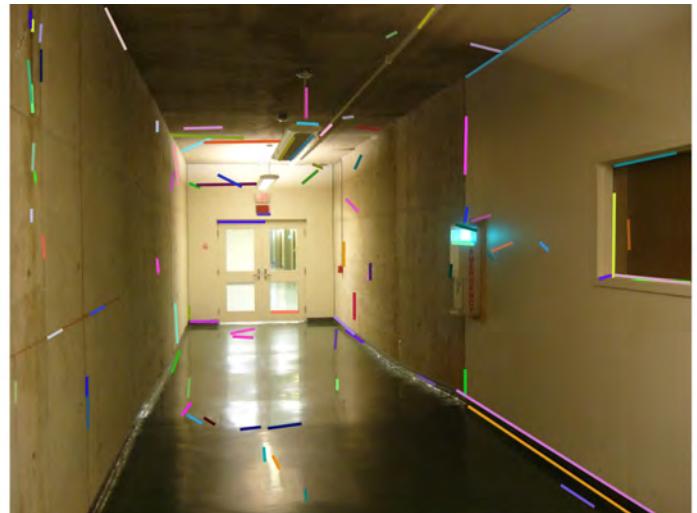


(d) MCMLSD

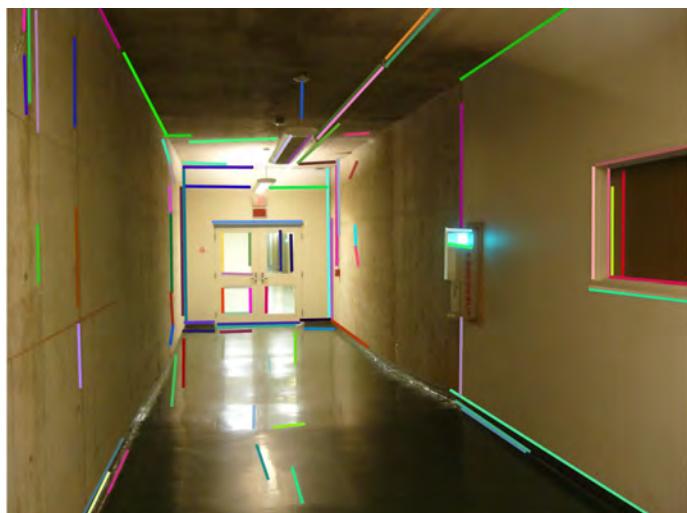
Figure 17: P1040811



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 18: P1040812



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 19: P1040813



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 20: P1040814



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 21: P1040819



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 22: P1040823



(a) PPHT



(b) SSWMS

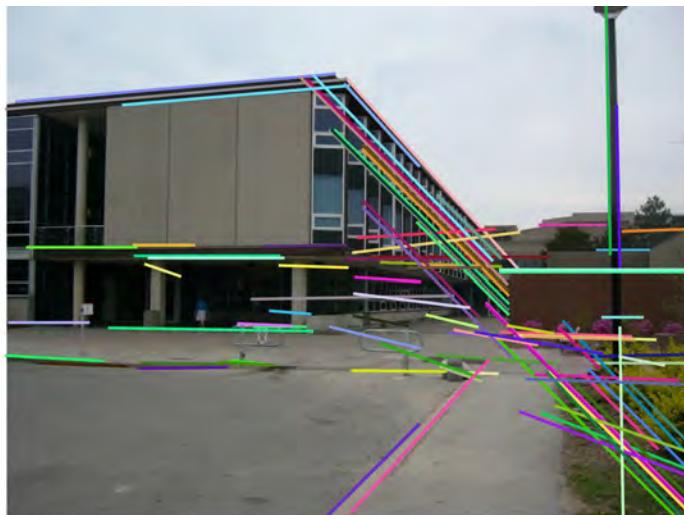


(c) LSD



(d) MCMLSD

Figure 23: P1040825



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 24: P1040826



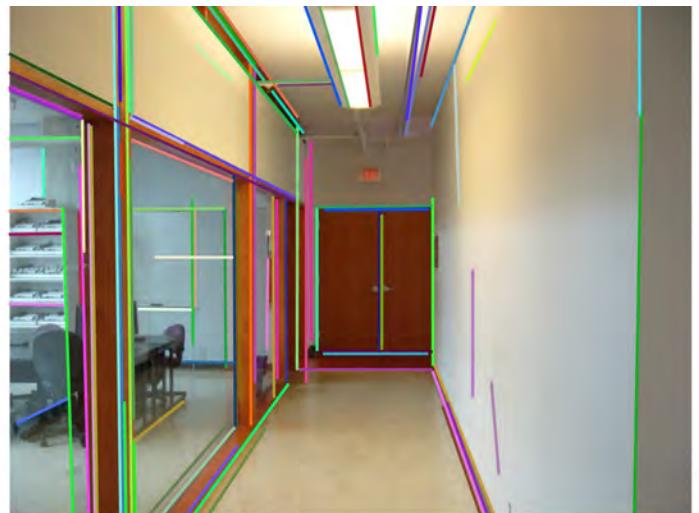
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 25: P1040829



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 26: P1040833

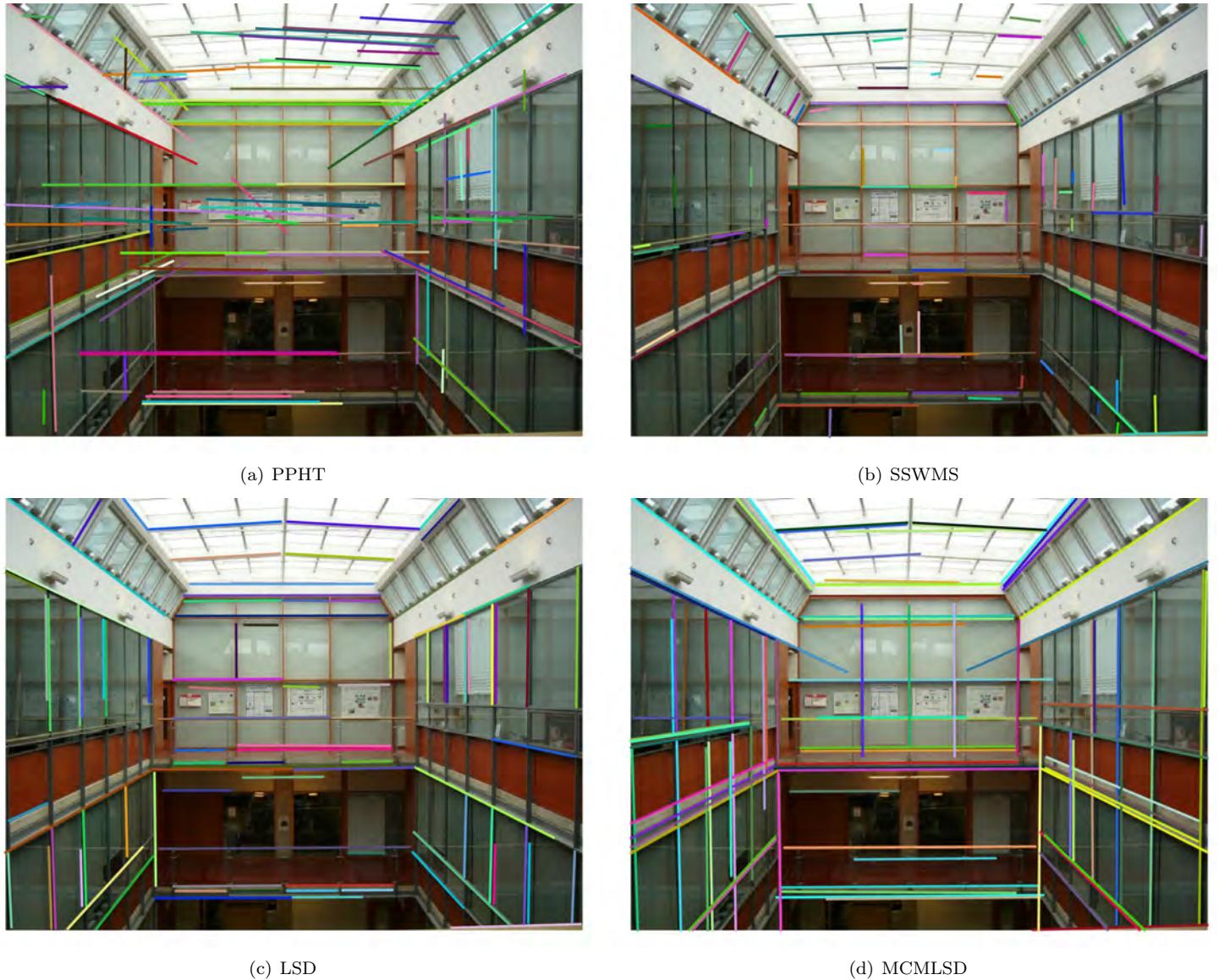


Figure 27: P1040839



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 28: P1040843



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 29: P1040850

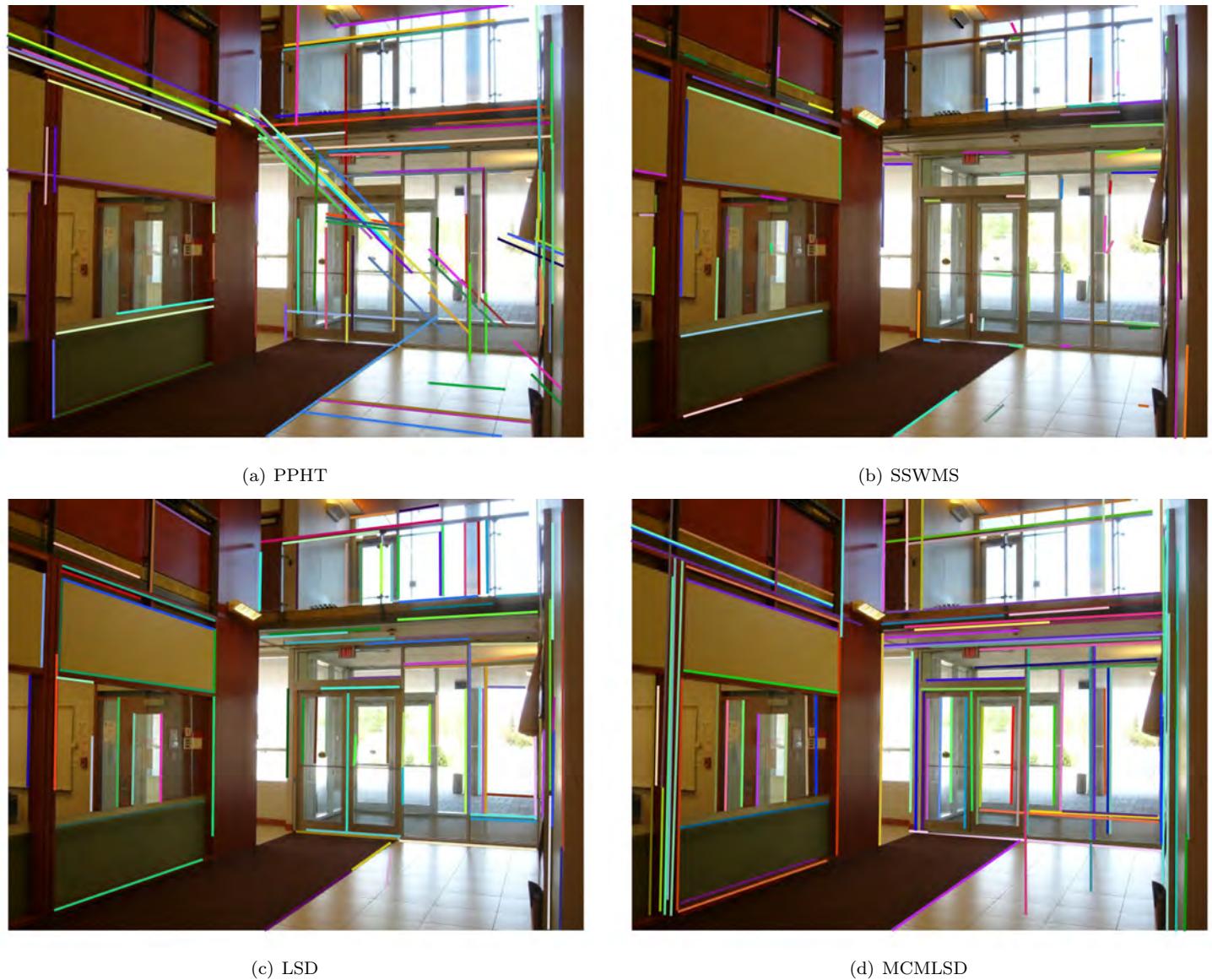


Figure 30: P1040853



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

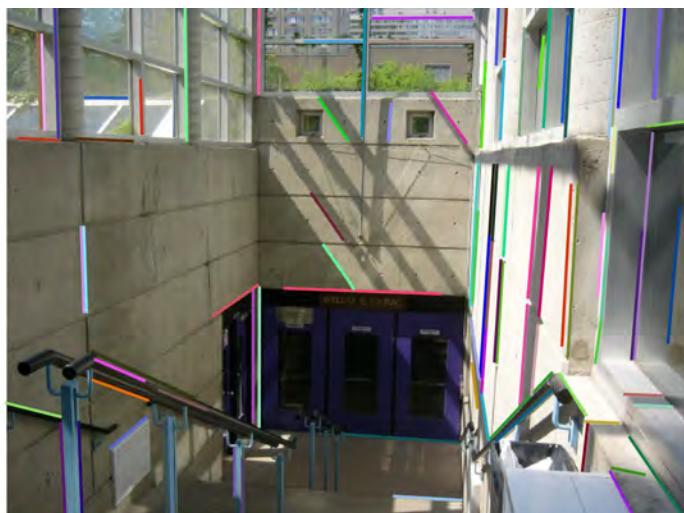
Figure 31: P1040856



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 32: P1040860



(a) PPHT



(b) SSWMS

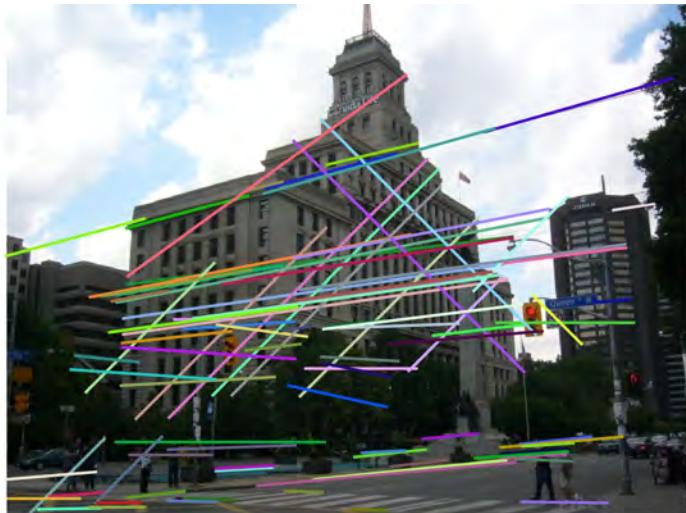


(c) LSD



(d) MCMLSD

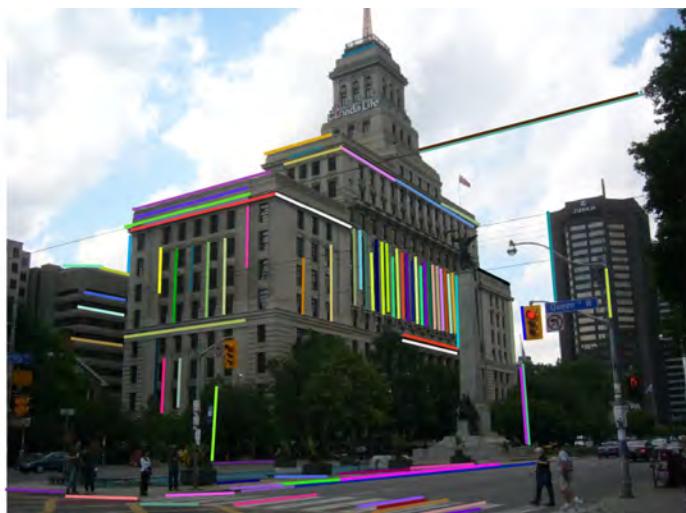
Figure 33: P1080011



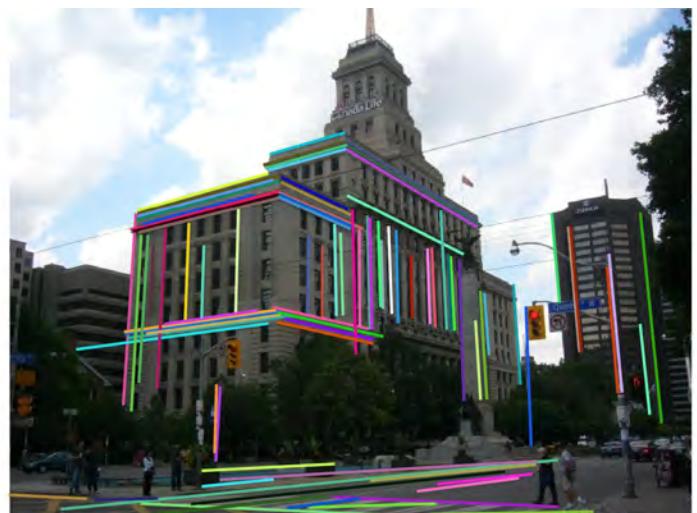
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 34: P1080020



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 35: P1080031



(a) PPHT



(b) SSWMS

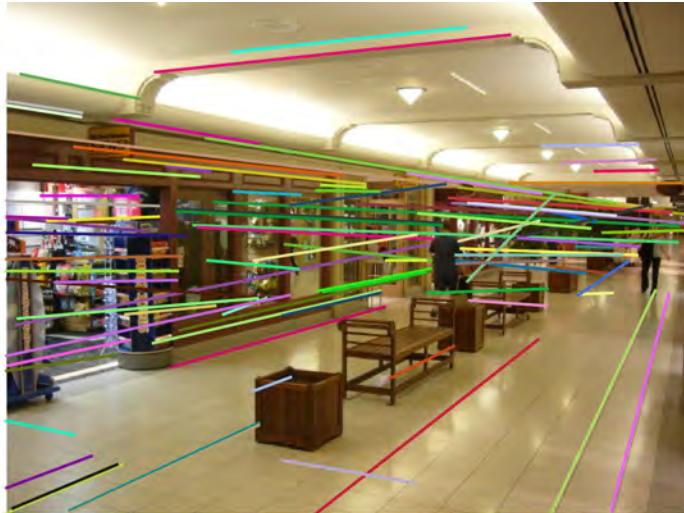


(c) LSD



(d) MCMLSD

Figure 36: P1080036



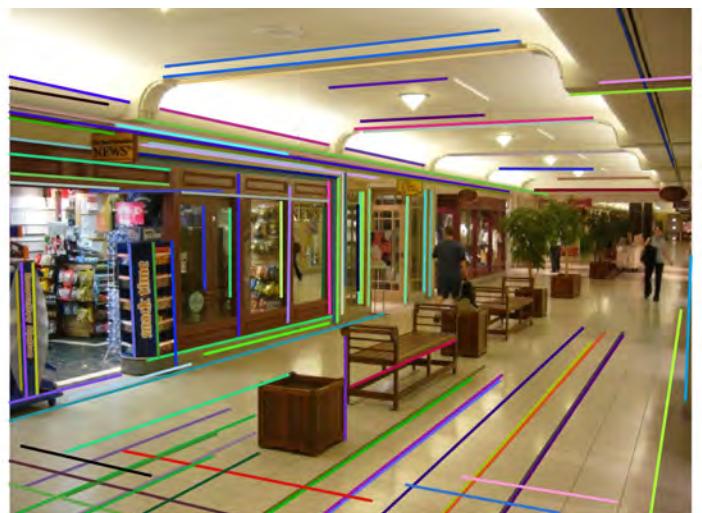
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 37: P1080047



(a) PPHT



(b) SSWMS

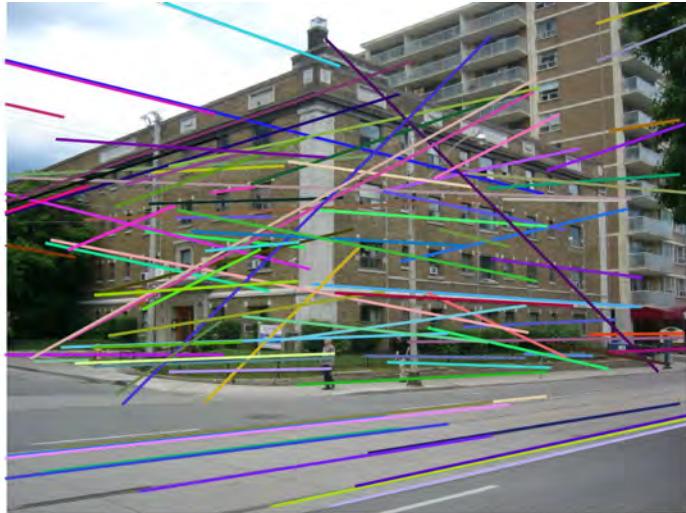


(c) LSD



(d) MCMLSD

Figure 38: P1080055



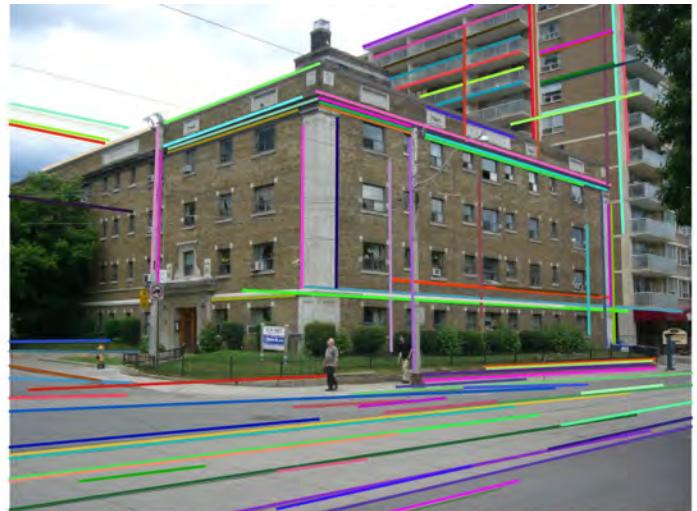
(a) PPHT



(b) SSWMS

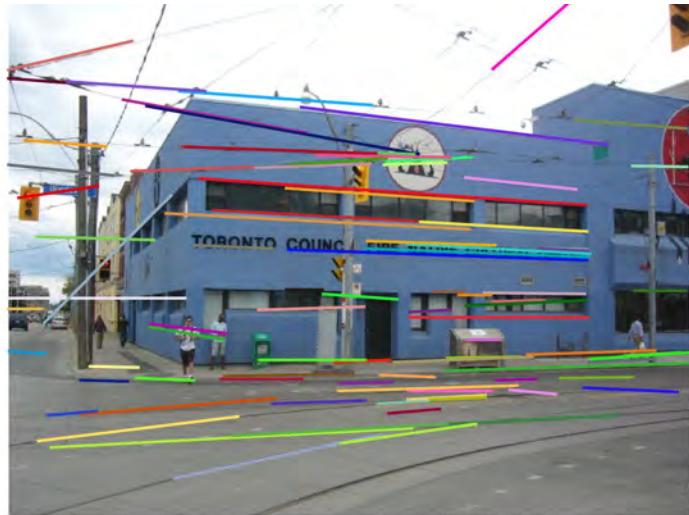


(c) LSD



(d) MCMLSD

Figure 39: P1080056



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 40: P1080062



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 41: P1080063



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 42: P1080074



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 43: P1080077



(a) PPHT



(b) SSWMS

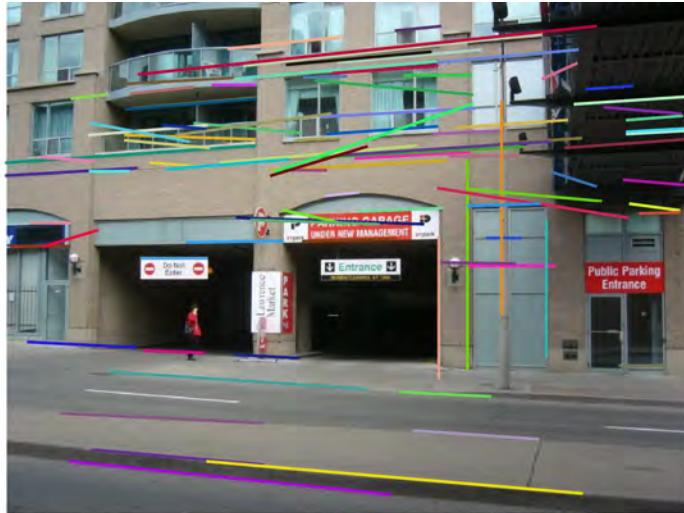


(c) LSD



(d) MCMLSD

Figure 44: P1080084



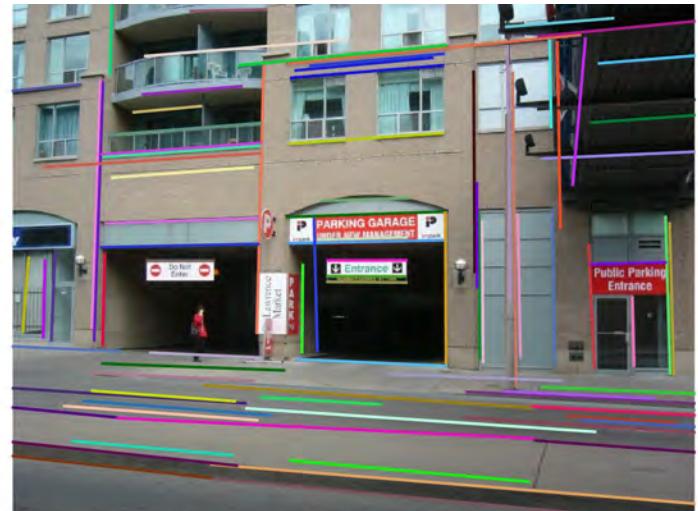
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 45: P1080100



(a) PPHT



(b) SSWMS

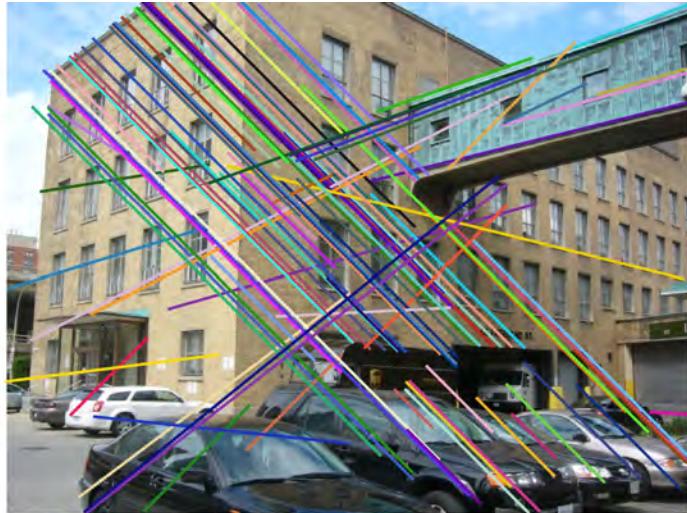


(c) LSD



(d) MCMLSD

Figure 46: P1080104



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 47: P1080106



(a) PPHT



(b) SSWMS

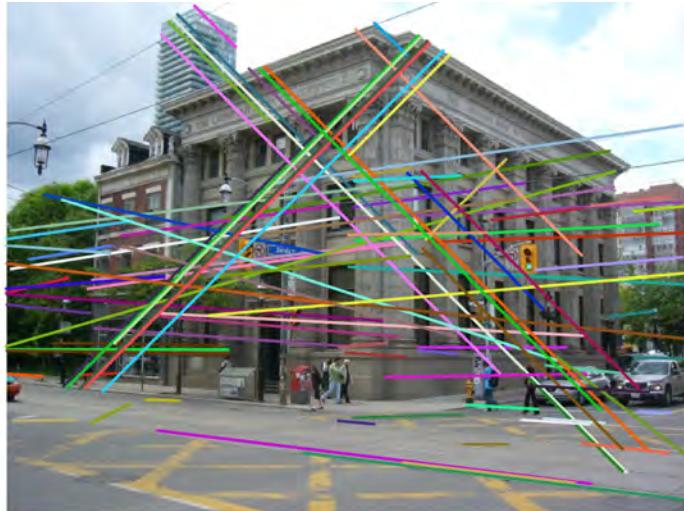


(c) LSD



(d) MCMLSD

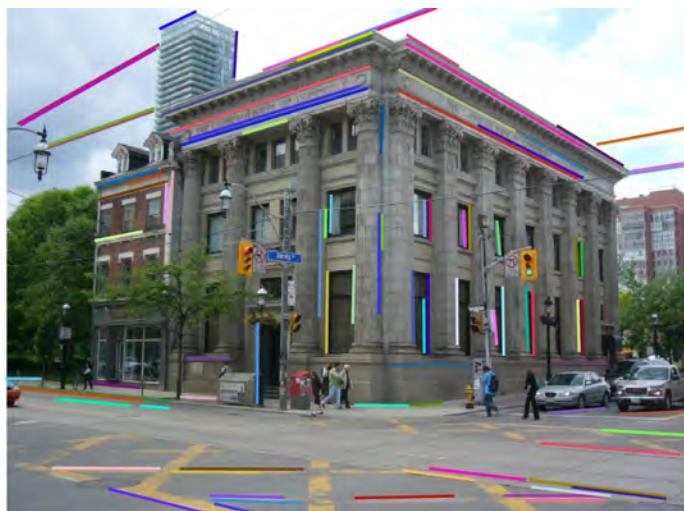
Figure 48: P1080111



(a) PPHT



(b) SSWMS

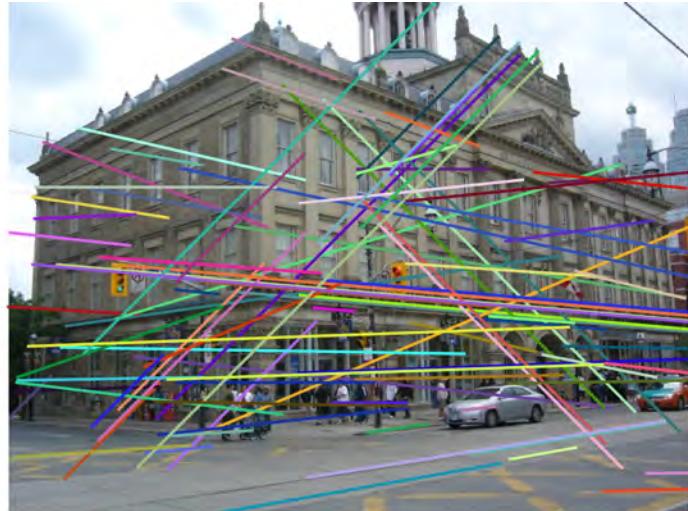


(c) LSD



(d) MCMLSD

Figure 49: P1080113



(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD

Figure 50: P1080116



(a) PPHT



(b) SSWMS

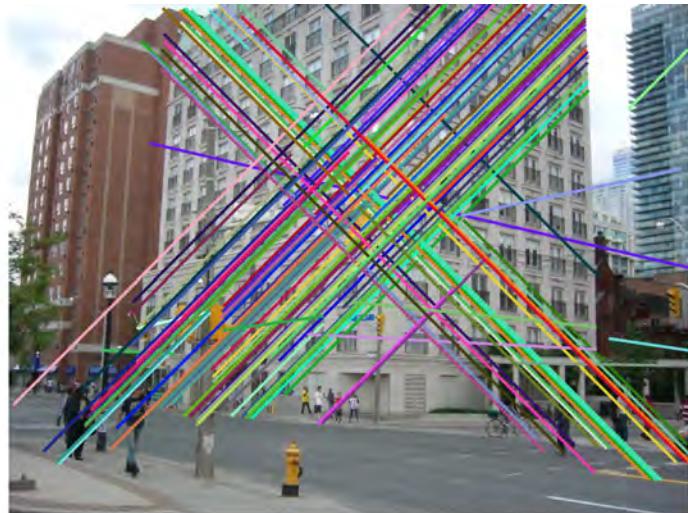


(c) LSD



(d) MCMLSD

Figure 51: P1080119



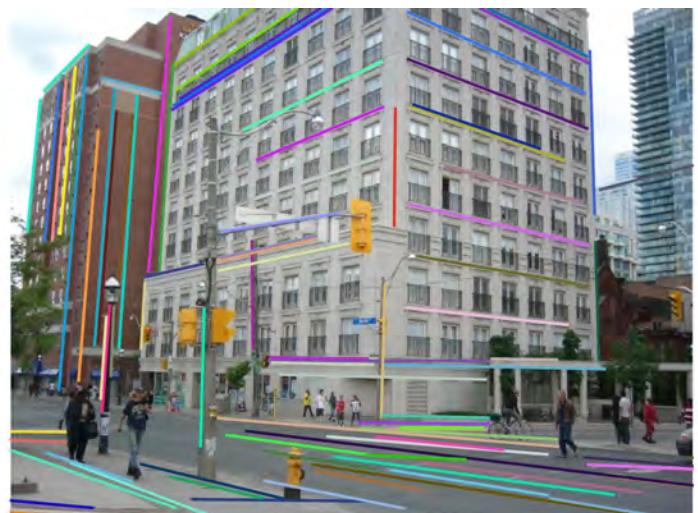
(a) PPHT



(b) SSWMS



(c) LSD



(d) MCMLSD