Reference

[1] F. E. M. A. U.S. Fire Administration. (2011, 17-6). *U.S. fire statistics*. Available: http://www.usfa.fema.gov/data/statistics/

[2] P. F. OvidiuVermesan, *Internet of Things: Converging Technologies for Smart Environments and Integrated Ecosystems*, 2013.

[3] D. Bandyopadhyay and J. Sen, "Internet of things: Applications and challenges in technology and standardization," *Wireless Personal Communications*, 2011.

[4] M. Ahrens. (2009, 12-5). *experience with smoke alarms and other fire detection/alarm equipment. National Fire Protection Association.* Available: www.vahealth.org/Injury/getalarmedva/documents/2009/pdf/

[5] C. m. a. H. Corporation. (2011, 12 May). *Carbon monoxide*. Available: www.cmhc-schl.gc.ca/en/co/maho/yohoyohe/inaiqu/inaiqu_002.cfm

[6] A. F. Enterprises. (2008, 17 June). *Detect fire at its source*. Available: www.austfire.com.au/dtec.php

[7] E. J. a. V. Spector, "Flame And Gas Detection In Petrochemical Industry," presented at the Annual Technical Meeting, 1997.

[8] G. Monitors. (2013, 27 June). *Combustible Gas Safety Monitoring*. Available:

http://s7d9.scene7.com/is/content/minesafetyappliances/IR%20vs%20Catalytic%20Bead%20Technology%20White%20Paper

[9] V. R. a. B. Palaniappan, "Embedded system for Hazardous Gas detection

and Alerting," *International Journal of Distributed and Parallel Systems (IJDPS)*, vol. 3, 2012.

[10] R. Kamal, *Embedded System Architecture Programming and Design*: Tata McGraw-Hill, 2003.

[11] Arduino. (2014, 21 April). *Arduino introduction*. Available: https://www.arduino.cc/en/guide/introduction

[12] M. Labs. (2015). *MediaTek LinkIt™ ONE Developer's Guide*.

[13] A. Ashraf, "DC Motor Speed Control via Fuzzy / pole placement / Pi Controller," Master, Department of Electrical Engineering, Hogskolan Darlana, 2010.

[14] G. S. University. (2013, 20 july). *DC Motor Operation*. Available: http://hyperphysics.phy-astr.gsu.edu/hbase/magnetic/motdc.html

[15] (2014). *An Introduction to Wi-Fi*.

[16] K. Pripužić, H. Belani, and M. Vuković, "Early Forest Fire Detection with Sensor Networks: Sliding Window Skylines Approach," in *Knowledge-Based Intelligent Information and Engineering Systems*. vol. 5177, I. Lovrek, R. Howlett, and L. Jain, Eds., ed: Springer Berlin Heidelberg, 2008, pp. 725-732.

[17] H. Y. T. Chen, G. Su and W. Fan, "An automatic fire searching and suppression system for large spaces," *Fire Safety Journal*, vol. 39, 2004.

[18] M. A. H. Mehmood, A. Tauseef and A. Sikandar, "8051/AT89S52 based SMOKE DETECTOR and FIRE ALARM SYSTEM," National University of Science and Technology, 2013.

[19] F. j. O. D. Pozo, and L. Alados-Arboledas, "Fire Detection and Growth Monitoring a Multi temporal Technique on AVHRR Mid-Infrared and Thermal Channels," *Remote Sensing of Environment,* vol. 60, 1997.

[20] E. Obi, "Optimization of flame and gas detectors," Master, Faculty of Science and Technology, University of Stavanger, 2014.

[21] L. Fraiwan, K. Lweesy, A. Bani-Salma, and N. Mani, "A wireless home safety gas leakage detection system," in Biomedical Engineering (MECBME), 2011 1st Middle East Conference on, 2011, pp. 11-14.

[22] T. S. S.RAJITHA " A security Alert System Using Gsm For Gas Leakage," International Journal of VLSI and Embedded System, vol. 03, 2012.