

REFERENCES

- [1] Steffen Bangsow, *Manufacturing Simulation with Plant Simulation and Simtalk.*: Springer, 2010.
- [2] TCP/IP Architecture. [Online].
http://www.highteck.net/EN/Communicating/Communicating_over_the_Network.html
- [3] Data Packet on the Application and Transport Layer. [Online].
<http://www.hardwaresecrets.com/printpage/How-TCP-IP-Protocol-Works-Part1/433>
- [4] Datagram on the Internet Layer. [Online].
<http://www.hardwaresecrets.com/printpage/How-TCP-IP-Protocol-Works-Part1/433>
- [5] Basic Knowledge of TCP/IP Protocol. [Online].
http://www.youtube.com/watch?v=gJ5h4_0mllI
- [6] Basic Knowledge of Socket Protocol. [Online].
http://www.tutorialspoint.com/unix_sockets/what_is_socket.htm
- [7] Modbus Data Packet Frame in General Overview. [Online].
<http://www.ni.com/white-paper/7675/en/>
- [8] Modbus Transaction (Error free). [Online].
http://telelinea.free.fr/a10/module_i2c/ch_1/sec_2/page1.html
- [9] Modbus Transaction (Exception Response). [Online].
http://telelinea.free.fr/a10/module_i2c/ch_1/sec_2/page1.html
- [10] Frantisek Manlig, Tomas Kloud Jakub Boruvka, "Computer Simulation of the Assembly Line - Case Study," in *Carpathian Logistics Congress*, 2011.
- [11] Jaromir Markovic, Marek Kliment, Peter Trebuna Milan Fil'o, "PLM System and Tecnomatix Plant Simulation, a Description of the Environment, Control Elements, Creation Simulations and Models," *American Journal of Mechanical Engineering*, vol. 1, 2013.
- [12] Arduino Mega 2560. [Online].
<http://arduino.cc/en/Main/arduinoBoardMega2560>
- [13] Han Run Ethernet Shield Compatible with Arduino Mega. [Online].
http://www.tme.vn/Product.aspx?id=1696#page=pro_info
- [14] IC LM 7809 Voltage Regulator. [Online].
<http://www.researchcell.com/general/7809-pin-and-circuit-diagram/>
- [15] Basic Knowledge of Modbus Protocol. [Online].
<http://jamod.sourceforge.net/kbase/protocol.html>
- [16] Arduino Ethernet Shield. [Online].
<http://arduino.cc/en/Main/ArduinoEthernetShield>
- [17] Ethernet Library. [Online]. <http://arduino.cc/en/Reference/Ethernet>
- [18] Modbus Master Library. [Online]. <http://github.com/4-20ma/ModbusMaster>
- [19] Basic Knowledge of Client-Server Model. [Online].
<http://www.technopedia.com/definition/18321/client-server-model>
- [20] Basic Knowledge of Master-Slave Model. [Online].
<http://searchnetworking.techtarget.com/definition/master-slave>

- [21] Siemens Production Lifecycle Management. (2010) Tecnomatix Plant Simulation 10 Step-by-Step Help.
- [22] Siemens. (2012, January) Tecnomatix Plant Simulation Basics, Methods and Strategies Student Guide.
- [23] MPS Festo Testing Station. [Online]. <http://www.festo-didactic.com/int-en/learning-systems/mps-the-modular-production-system/stations/testing-station-focus-on-sensors.htm?fbid=aW50LmVuLjU1Ny4xNy4xOC42MDYuMzk0NA>
- [24] Festo Didactic. Modular Production System - Testing Station Manual.
- [25] Harsyadi Adhiarsa, "Improving Existing Automated Storage / Retrieval System (AS/RS) by Wireless Monitoring Developed in Tecnomatix Plant Simulation," Swiss German University, 2014.
- [26] Jonathan Marshall Kevin, "Designing and Developing an Integrated System to Control a Simulated KIVA AGV in Jack Software," Swiss German University, 2014.

