Cuprins

Assistive equipment for monitoring people with Alzheimer.
COSTACHE Iulia..... 1

Research regarding smart devices for diabetic.
PANAITE Andreea Lăcramioara..... 9

Assistance equipment used in spine diseases.
SAVU Elena Andrada..... 15

Use of static converters in logistics systems.
ROMAŞCANU Dragoş-Mircea, POPESCU Constantin-Adrian..... 22

Experimental researches about designing and realization of an educational stand with automated guided vehicle for transport and transfer of pallets.
STAICU Mihai Laurențiu, POPESCU Constantin-Adrian..... 29

Study on the use of smart sensors to monitor environmental factors in greenhouses.
SCARLAT Andrei Daniel, ȘTEFAN Theodora-Mihaela, POPESCU Adrian..... 35

Experimental research on the design and construction of an educational stand with automatic guided vehicle for the transport and transfer of pallets.
SCARLAT Andrei Daniel, ȘTEFAN Theodora-Mihaela, POPESCU Constantin-Adrian..... 39

Study on the implementation of wireless charging solutions for AGVS.
DRĂGAN Alin-Leonard, Popescu Adrian Constantin..... 43

Optimizing the logistic flow of manufacturing KN95 masks by using mathematical calculation methods.
SEILEANU Floarea-Loredana..... 49

Experimental research on the control of a CNC axis actuated through a step engine.
ROTARU Dragos, ENACHE George, COCIAŞU Cosmin..... 57

Color analysis and pigments technology identified for printing romanian postal stamps.
PĂUNESCU Mihai..... 61

Aerodynamic analysis of the fuselage of a fixed wing aircraft type UAV using the finite element method.
CUCU Cătălin..... 69

Recherche sur la fabrication de lentilles assistées par ordinateur.
BENDIC Honoriu Eduard..... 77

Access metro solution et ingenierie WDM (serie OSN 1800).
GARBAYA Joulia..... 85

Explicit dynamic analysis of disposable plastic trays considering an effector programming error.
MARCU Rareș-Ionuț 94

Explicit dynamic simulation of the fluid behavior in manipulated bottles considering an accidental stop of the conveyor.
GIURCAN Andreea-Loredana 100

Simulation of a tactile testing system operation based on the transient structural dynamic analysis.
GEAMĂNU Mihai-Bogdan 108

Robotic cell for video inspection, with four workstations, integrating an industrial articulated arm robot on track motion platform and four peripheral robotic systems.
CHISCOCIU Violeta-Georgiana 116

The design and fabrication of an industrial robot scale model, with position control via a web interface.
DATCU Tudor-Răzvan 121

Robotized palletization cell with two inputs and two outputs, for cardboard boxes, integrating an industrial articulated arm robot.
STOICA Raluca-Georgiana 127

Development of a modular axis structure for the purpose of attaining several robotic architectures.
MUREȘAN Ștefan-Claudiu, MOROȘAN Teodor, CRISTOIU Cozmin Adrian, IVAN Andrei Mario 147

Numerical control machine tool for milling and 3D printing.
TURTUREA Petre-Gabriel, CULA Ștefan, IVAN Andrei Mario, CRISTOIU Cozmin 152

Carton box palletization cell, integrating an industrial articulated arm robot.
COTOILĂ Mihail-Constantin, IVAN Andrei Mario..... 156

Development of control and image processing firmware for articulated robot arm equipped with additional translation axis.
ANASTASIU Alexandru-Ioan 162

Designing a small scale funcțional articulated robot Motoman model.
GUȚU Marius, NICOLESCU Adrian..... 167

Programming and simulation of a robotic cell for depalletizing support trays with chocolate products.
MARIN Roxana-Ioana 174

Automation of a manufacturing process using RSLogix 5000 and Factory Talk View.
ICĂ Sebastian-Ionuț, NICOLESCU Adrian 181