Could technology support learning efficiency?

Volume III

eLearning and Software for Education Conference

Bucharest, April 27 – 28, 2017
Could technology support learning efficiency?
Conference Chairman:
Professor Dr. Ion ROCEANU, “Carol I” National Defence University, Bucharest, Romania

Scientific Committee:

Dr. Sae SCHATZ, Advanced Distributed Learning (ADL) Initiative, USA
Dr. Adrian CURAJ, Centre for Strategic Management and Quality Assurance in Higher Education, Romania
Dr. Gheorghe CALOPAREANU, Rector “Carol I” National Defence University, Romania
Dr. Romita IUCU, Vice-Rector, University of Bucharest, Romania
Dr. Vasilia GRIGORE, Vice-Rector, National University of Physical Education and Sport Bucharest, Romania
Dr. Eng. Florica MOLDOVEANU, University POLITEHNICA of Bucharest, Romania
Dr. Lucian Ion Ciolan, Dean, Faculty of University of Bucharest, Romania
Dr. Jannicke BAAALSRUD HAUGE, Bremer Institut fur Produktion und Logistik (BIBA), Germany
Dr. Doina BANCIU, National Institute for Research & Development in Informatics Bucharest, Romania
Dr. Dragos BARRIERU, “Carol I” National Defence University, Romania
Dr. Diana ANDONE, “Politehnica” University Timisoara, Romania
Dr. Mirela BLAGA, “Gheorghe Asachi” Technical University of Iasi, Romania
Dr. Daniel BELIGAN, “Carol I” National Defence University, Romania
Dr. Adrian ADASCALITEI, “Gheorghe Asachi” Technical University of Iasi, Romania
Dr. Carmen Elena CIRNU, National Institute for Research & Development in Informatics Bucharest, Romania
Dr. Anca Daniela IONITA, University POLITEHNICA of Bucharest, Romania
Dr. Anca Cristina COLIBABA, “Grigore T.Pop” University of Medicine and Pharmacy of Iasi, Romania
Dr. Stefan COLIBABA, “Alexandru Ioan Cuza” University of Iasi, Romania
Dr. Calin CORCIOVA, “Grigore T.Pop” University of Medicine and Pharmacy of Iasi, Romania
Dr. Sara DE FREITAS, Serious Games Institute, Coventry University Technology Park, United Kingdom
Dr. Alessandro GLORIA, University of Genoa, Italy
Dr. Gabriela GROSSECK, West University of Timisoara, Romania
Dr. Christian GLAHN, Open University of the Netherlands, Netherlands
Dr. Carmen HOLOTESCU, “Politehnica” University Timisoara, Romania
Dr. Phil ICE, American Public University System, West Virginia, USA
Dr. Olimpius ISTRATE, International Federation of Red Cross and Red Crescent Societies, Switzerland

Dr. Malinka IVANOVA, Technical University of Sofia, Bulgaria
Radu JUGUREANU, Siveco Romania, Romania
Dr. John FISCHER, Bowling Green Ohio State University, Ohio
Dr. Theo LIM, Heriot-Watt University, UK
Dr. Bogdan LOGOFATU, University of Bucharest - Faculty of Psychology and Educational Sciences, Romania
Dr. Grzegorz MAZURKIEWICZ, Jagiellonian University, Poland
Dr. Alin MOLDOVEANU, Politehnica” University Bucharest, Romania
Dr. Catalin RADU, ADL Romania Association, Romania
Dr. Laura MURESAN, Academy of Economic Studies Bucharest, Romania
Dr. Michela OTTI, Institute for Educational Technology, CNR, Italy
Dr. Knud ILLERIS, Aarhus University, Denmark
Cristina MIROT, University of Bucharest, Romania
Dr. Florin POPENTIU-VLADIESESCU, Academy of Romanian Scientists, Romania
Dr. Cristina NICULESCU, Research Institute for Artificial Intelligence “Mihai Draganescu”, Romanian Academy, Romania
Cosmin HERMAN, SC eLearning & Software SRL, Romania
Dr. Stefan TRAUSAN-MATU, “Politehnica” University Bucharest, Romania
Dr. Neculai Eugen SEGHEDIN, “Gheorghe Asachi” Technical University of Iasi, Romania
Dr. Valeriu PATRICIU, Military Technical Academy, Romania
Dr. Dragos Marian POPESCU, University of Medicine and Pharmacy of Craiova, Romania
Dr. Virgil POPESCU, University of Craiova, Romania
Dr. Mireille RADOI, “Carol I” Central University Library, Romania
Dr. Emanuel SOARE, University of Pitesti, Romania
Ioana IOAIA STEFAN, ADL Romania Association, Romania
Dr. Monica STANESCU, National University of Physical Education and Sport of Bucharest, Romania
Dr. Veronica STEFAN, “Valahia” University of Targoviste, Romania
Dr. Teodora Daniela CHICIOREANU, “Politehnica” University Bucharest, Romania
Dr. Katheryna SYNYTSYA, IRTC ITS, Ukraine
Dr. Marius TURNEA, “Grigore T Popa” University of Iasi, Romania
Dr. Maria-Iuliana DASCALU, University POLITEHNICA of Bucharest, Romania
Dr. Marin VLADA, University of Bucharest, Romania
CONTENTS

DESIGNING A SCALABLE TECHNOLOGY HUB FOR RESEARCHERS ........................................... 13
Ionut Cristian PARASCHIV, Mihai DASCALU, Cosmin BANICA, Stefan TRAUSAN-MATU

RECOVERING OLD ROMANIAN LEMMATA ........................................................................... 19
Daniela GÎFU

SEMANTIC ANNOTATION AND AUTOMATED TEXT CATEGORIZATION USING COHESION NETWORK ANALYSIS .................................................................................. 25
Gabriel GUTU, Mihai DASCALU, Dominic HEUTELBECK, Matthias HEMMJE, Wim WESTERA, Stefan TRAUSAN-MATU

CURRICULUM AND LEARNING CONTENT MANAGEMENT BASED ON ONTOLOGIES ................................................................................................................................. 33
Adriana OLTEANU, Anca Daniela IONITA, Andra Stefana SOLOMON

SEMANTIC ROLE ANNOTATION FOR ELEARNING ............................................................... 41
Diana TRANDABÂȚ

ROUTE SUGGESTION FOR VISITING MUSEUMS USING SEMANTIC DATA ....................... 48
Octavian RINCIOG, Ilie Cristian DOROBÂȚ, Vlad POSEA

NEW PROFESSIONAL DEVELOPMENTS IN THE ACADEMIC LIBRARIES ....................... 56
Mireille RĂDOI

BUILDING AN UNDERGRADUATE COURSE IN DATA-DRIVEN METHODOLOGIES ......................................................................................................................... 62
Grigore ALBEANU

THE SCHOOL LIBRARY IN THE DIGITAL ENVIRONMENT .................................................. 68
Florina BRAT

THE IMPACT OF SOCIAL MEDIA TECHNOLOGIES ON KNOWLEDGE MANAGEMENT AND RESEARCH PERFORMANCE IN HIGHER EDUCATION INSTITUTIONS ........................................................................................................ 74
Manuela EPURE, Alaa Tag Eldin MOHAMED, Lorena Clara MIHĂEȘ

CURRENT STAGE OF APPLICATION OF THE KNOWLEDGE MANAGEMENT PROCESS IN ROMANIAN ACADEMIC LIBRARIES ......................................................... 83
Octavia-Luciana MADGE

SMART EDUCATION AND SMART E-LEARNING ................................................................ 89
Carmen-Leocadia PESANTEZ POZO

MANAGERIAL ASPECTS REGARDING THE NATIONAL CULTURAL HERITAGE ........ 96
Cristian Vasile PETCU

BEYOND THE TALE OF THE ‘TWO CULTURES’: FILLING THE GAP BETWEEN ALGORITHMS AND INTERPRETATION ................................................................. 101
Val Codrin TĂUT
MOODLE - SUPPORT TOOL FOR DIASPORA INTEGRATION IN THE NATIONAL EDUCATION SYSTEM .......................................................... 105
Nicoleta Daniela IGNAT

AUTOMATIC ASSESSMENT OF MATHEMATICS ............................................... 111
Ștefan POKA, Cosmin HERMAN

STUDY REGARDING RELEVANT ABILITIES OF THE INFORMAL LEADER IN THE CASE OF HANDBALL PLAYERS THROUGH COMPUTERIZED ASSESSMENT .......................................................... 119
Vasilića GRIGORE, Alexandra PREDOIU, Radu PREDOIU, Georgeta MITRACHE

KINEMATICS OF TENNIS MOVEMENTS FOR A PLAYER IN WHEELCHAIR .......... 127
Mihaela Ioana BARITZ, Adrian Alexandru MOSOI

A 4-WEEK PILOT STUDY INVESTIGATING THE EFFECTS OF HIGH INTENSITY INTERVAL TRAINING ON PULMONARY FUNCTION AND AEROBIC CAPACITY .... 133
Grațiela-Flavia DEAK, Iuliana BOROS-BALINT

TASK-BASED APPROACH IN ENGLISH FOR SPECIFIC PURPOSES (ESP) TEACHING: A CASE STUDY IN THE FIELD OF SPORTS SCIENCES .................................. 138
Alessandra FAZIO, Emanuele ISIDORI, Óscar CHIVA BARTOLL

VIRTUAL REALITY, EDUCATIONAL GAMES, AND LEISURE IN CONTEMPORARY SOCIETY: THE SPORT PEDAGOGY POINT OF VIEW .......... 146
Emanuele ISIDORI, Iosif SANDOR, Alessandra FAZIO

A COMPARATIVE STUDY ON THE INDIRECT ASSESSMENT OF LEG EXTENSOR POWER USING SIMULTANEOUSLY THE JUMP-AND-REACH TEST FROM ALPHA-FIT AND THE OPTOJUMP SYSTEM ............................................. 154
Lilianna BECEA, Raluca Anca PELIN, Camelia BRANEȚ, Iancu RĂCHITĂ

STUDY REGARDING THE SPECIFIC OF BADMINTON FOOTWORK, ON DIFFERENT LEVELS OF PERFORMANCE ................................................. 161
Ștefan MAFTEI

EDUCATIONAL PERSPECTIVES OFFERED BY THE USE OF H-902 WATERPROOF BONE CONDUCTION SYSTEM IN THE PREPARATION OF SWIMMERS ............. 167
Gheorghe MARINESCU, Laurențiu Daniel TICALĂ, Adrian RĂDULESCU, Cătălin BECHERU, Simona Nicoleta BIDIUGAN

A COMPUTERIZED SYSTEM FOR JUDGING DANCESPORT COMPETITIONS – AN INNOVATIVE APPLICATION ..................................................... 175
Adrian NICOARĂ, Silvia TEODORESCU, Constanța URZEALĂ

RENDERING OBJECTIVE AND OPTIMIZING KINETIC PROGRAMS FOR SCOLIOSIS USING EQUIPMENT OF MOVEMENT ANALYSIS ..................... 181
Nicoleta LEONTE, Ofelia POPESCU, Doina BUCUR, Raluca PELIN, Carmen GRIGOROIU

SPORTS SCIENCE QUALITY FRAMEWORKS IN BLENDED LEARNING IN SERBIA ........................................................................................................... 188
Danica PIRSL, Nadezda STOJKOVIC, Tea PIRSL
USE OF E-TRAINING IN MATHEMATICAL MODELING OF THE BIOMECHANICAL CHARACTERISTICS OF DOUBLE BACK SOMERSAULT ON THE FLOOR .................. 194
Vladimir POTOP, Valeriu JURAT, Victor BUFTEA, Viorel DORGAN

THE IMPORTANCE OF USING SUUNTO ELECTRONIC SYSTEM FOR MONITORING TRAINING, IN PREPARATION OF SPORTSMEN PRACTICING SHOOTING, SAMPLE AIR RIFLE 10M MEN ........................................ 200
Cătălin ȘERBAN, Corina ȚIFREA

EVALUATION MODEL OF THE TEENAGERS’ ACTIVE LIFESTYLE .................................. 207
Monica STANESCU, Marius STOICESCU, Lucian Bogdan BEJAN

APPLICATION OF MOBILE TECHNOLOGY IN SPORT LEISURE TIME ACTIVITIES .......................................................... 215
Andrei-Bogdan STĂNESCU, Vlad-Ioan PANTEA, George Cristian PÂTRU

LEARNING PROPER ROWING TECHNIQUE BY USING ERGOMETERS ........................ 221
Toma S. URICHIANU

BIOELECTRIC BODY IMPEDANCE METHOD (BIA) – ROLE IN EVALUATION AND MONITORING OF FITNESS AND NUTRITION PROGRAMS .......................... 227
Cristina VÂRZARU, Virgil TUDOR, Ana-Maria MUJEA, Georgian IORDACHE

ENHANCING LEARNING EFFICIENCY THROUGH THE ‘E-LEARNING FROM NATURE’ PROJECT ...................................................... 234
Anca COLIBABA, Irina GHEORGHIU, Stefan COLIBABA, Cintia COLIBABA, Ovidiu URSA

OLD AND NEW METHODS OF EVALUATION FOR ESP ........................................... 240
Alina BALAGIU, Dana ZECHIA, Marioara PATESAN

ENHANCING THE ENGINEERING STUDENTS’ ACADEMIC WRITING SKILLS IN ENGLISH THROUGH E-LEARNING INCENTIVES ........................................... 248
Elisabeta Simona CATANĂ

RAISING ENGINEERING STUDENTS’ AWARENESS ABOUT THE USEFULNESS OF E-LEARNING BASED LANGUAGE LEARNING STRATEGIES ............................ 254
Yolanda-Mirela CATELLY

THE BEST OF BOTH WORLDS: USING E-NATURE AND XENO-TOLERANCE PROJECT MATERIALS IN CLIL AND E-LEARNING PROGRAMMES .......................... 260
Anca COLIBABA, Irina GHEORGHIU, Claudia Elena DINU, Cristian ARHIP, Rodica GARDIKIOTIS

A COMPARATIVE ANALYSIS OF SYSTEMS USED IN ASSESSING LANGUAGE PROFICIENCY .......................................................... 268
Cătălin BURSUC, Luiza Maria COSTEA, Orlando RADU

TEACHING ENGLISH IN A DIGITAL WORLD: THE ADVANTAGES AND DISADVANTAGES OF INTRODUCING VIDEOS IN ENGLISH LANGUAGE COURSES .................................. 274
Anda DIMITRIU

THE USE OF ONLINE LANGUAGE-LEARNING TOOLS AND RESOURCES FOR SELF-STUDY .......................................................... 280
Virginia Mihaela DUMITRESCU
THE ROLE OF THE VISUAL IN FOREIGN LANGUAGE ACQUISITION IN E-LEARNING
Alexandra MĂRGINEAN ........................................................................................................ 288

ONLINE DICTIONARIES IN LEARNING THE GERMAN LANGUAGE – STUDENTS’ PERCEPTIONS
Nikoleta MOMCILOVIC, Dina PETROVIC ........................................................................... 296

CHALLENGES OF TEACHING A BLENDED ENGLISH COURSE TO UNIVERSITY STUDENTS
Tatiana RASSKAZOVA, Anna MUZAFAROVA, Julia DAMINOVA, Anna OKHOTNIKOVA ....... 303

QUALITY STANDARDS IN THE TRAINING OF SCHOOL MANAGERS BY USING A BLENDED LEARNING SYSTEM
Mihaela Gabriela NEACȘU, Adrian ADĂSCĂLIȚEI .............................................................. 309

BLENDED LEARNING METHODS USED IN STUDYING COMPUTATIONAL ASTROPHYSICS
Afrodita Liliana BOLDEA ...................................................................................................... 315

IS MEDICAL EDUCATION READY TO USE BLENDED LEARNING TO GAIN CLINICAL SKILLS?
Gabriela Gladiola ANDRUSEAC, Carmen Luiza COSTULEANU, Gabriela BOLDUREANU, Alina MURGU, Daniel BOLDUREANU ........................................................................... 322

DEVELOPING IoT ENABLED APPLICATIONS FOR AUGMENTED ENGINEERING EDUCATION
Florin POPENTIU-VLADICESCU, Grigore ALBEANU, Henrik MADSEN, Bourducen HADJ, Ruxandra-Raluca GROSU..................................................................................................................... 328

IMPACT OF 132731 POSDRU PROJECT ON SCHOOL EDUCATION CURRICULA THAT USE ICT TECHNOLOGIES AND E-LEARNING: EXPERIENCE OF THE TECHNICAL UNIVERSITY "GHEORGHE ASACHI" OF IAȘI
Ioan RUSU, Simona BĂCĂIȚĂ, Adrian ADĂSCĂLIȚEI, Oana RUSU ................................... 336

LEARNING VERSUS ELEARNING FOR IT PROFESSIONALS
Dana Mihaela VÎLCU .............................................................................................................. 340

A COMPREHENSIVE ANALYSIS ON CYBER-THREATS AGAINST ELEARNING SYSTEMS
Ioan-Cosmin MIHAI, Ștefan PRUNĂ, Gabriel PETRICĂ ....................................................... 344

ANALYZING CYBER THREAT ACTORS OF E-LEARNING PLATFORMS BY THE USE OF A CLOUD BASED HONEYNET
Ionuț-Daniel BARBU, Gabriel PETRICĂ, Sabina-Daniela AXINTE, Ioan BACIVAROV ........ 352

STRATEGIC DEVELOPMENTS IN THE FIELD OF CYBERCRIME FOR THE INVESTIGATION OF COMPROMISED ELEARNING SYSTEMS
Ioan-Cosmin MIHAI .............................................................................................................. 358

E-LEARNING PLATFORMS IDENTITY USING DIGITAL CERTIFICATES
Gabriel PETRICĂ, Ionuț-Daniel BARBU, Sabina-Daniela AXINTE, Ioan BACIVAROV, Ioan-Cosmin MIHAI .................................................................................................................. 366
THE CYBERSECURITY OF ELEARNING PLATFORMS ................................................................. 374
Meda UDROIU

VIRTUAL FULLY-FASHION KNITTING ................................................................................. 380
Mirela BLAGA, Dorin DAN

THE DIGITAL DEPICTION OF THE ARCHAEOLOGICAL WOVEN FABRIC
BASED ON ARAHNE CAD/CAM FOR WEAVING ............................................................... 386
Irina ARNĂUTU

E-LEARNING LESSONS FOR TEACHING DIFFERENT CAD SYSTEMS
IN ORDER TO INCREASE THE DESIGNER’S ADAPTABILITY ........................................... 394
Manuela AVADANEI, Emil-Constantin LOGHIN

DESIGN FOR MANUFACTURE MATRIX FOR OLDER WOMEN SHOES –
CASE STUDIES .................................................................................................................. 402
Mariana COSTEA, Aura MIHAI, Arina SEUL

CAD APPLICATION FOR SIMPLE WOVEN FABRICS DESIGN ....................................... 408
Irina CRISTIAN, Rodica HARPA, Cristina PIROI

APPLYING SHANNON AND BOLTZMAN LAWS WHEN SIMULATING THERMAL
COMFORT .......................................................................................................................... 416
Antonela CURTEZA, Daniela FARIMA, Valentin BULIGA, Mariana ICHIM

ELEARNING FOR ADOBE PHOTOSHOP AND ILLUSTRATOR IN TEXTILES
AND FASHION .................................................................................................................... 423
Alison GAULT

STAT-CONCOR: SOFTWARE FOR VALIDATING THE PANEL OF ASSESSORS,
SUBSEQUENTLY TO THE FABRIC HAND EVALUATION .................................................... 431
Rodica HARPA, Cristina PIROI, Irina CRISTIAN

E-LEARNING TRAINING PROGRAM FRAMEWORK ON ENVIRONMENTAL
MANAGEMENT SYSTEM IN ORDER TO IMPROVE BUSINESS PERFORMANCE ............ 439
Ionut Viorel HERGHILIGIU, Bogdan SARGHIE, Ioan-Bogdan ROBU

INTERACTIVE TOOLS USED IN BLENDED INSTRUCTION TO TEACH
THE BLOW ROOM LINE PROCESSES .............................................................................. 445
Mariana ICHIM, Dorin DAN, Costică SAVA

SOFTWARE APPLICATION FOR DESIGNING YARNS WITH SPECIFIED
CHARACTERISTICS .............................................................................................................. 449
Cristina PIROI, Irina CRISTIAN, Rodica HARPA

E-LEARNING FOR INNOVATION IN TEXTILE ENTERPRISES ........................................... 455
Ion Razvan RADULESCU, Carmen GHIȚULEASA, Emilia VISILEANU, Adrian SALISTEAN,
Luis ALMEIDA, Roberto VANNUCCI, Zoran STJEPANOVIĆ, Mirela BLAGA

INFORMATICS SYSTEM FOR SELECTION OF ORIENTATION
AND POSITIONING SURFACES OF WORKPIECE CLAMPED IN FIXTURES ....................... 461
Neculai Eugen SEGHEedin, Dragoș Florin CHITARIU
EDUCATIONAL SOFTWARE FOR THE OPTIMIZATION OF SAFETY IN OPERATION IN THE TEXTILE PROCESSES .......................................................... Adrian VILCU, Ion VERZEA, Mihaela COJAN, Rachid CHAIB

SOFTWARE APPLICATION FOR THE ANALYSIS OF THE RELIABILITY OF A TEXTILE EQUIPMENT .......................................................... Adrian VILCU, Ion VERZEA, Catalin VILCU

THE IMPORTANCE OF IMPLEMENTING A NEW EDUCATIONAL SYSTEM TYPE SIMULATOR IN NEONATOLOGY SPECIALIST EXAM .................................. Cătălina LUCA, Doru ANDRIŢOI, Călin CORCIOVĂ, Radu CIORAP

E-LEARNING IN BIOMEDICAL ENGINEERING EDUCATION – A REVIEW ........................................... Dragos AROTARITEI, Cristian ROTARIU

SENSITIVITY AND SPECIFICITY AFFECTED BY COVARIATES (FACTORS) – ONE WAY TO ANALYZE .......................................................... Lucian Vasile BOICULESE, Laura-Mihaela TRANDAFIR, Mihaela MOSCALU

NEW TECHNOLOGY FOR ASSISTED BY PC REHABILITATION EVALUATION ........................................ Barbu BRAUN

ASSISTED NEW TECHNOLOGY FOR MEDICAL SCREENING EVALUATION ........................................ Barbu BRAUN

DIGITAL TECHNOLOGY AND BOUNDARY WORK IN HOMEOPATHY .................................................. Alexandra CIOCĂNEL, Cosima RUGHINIŞ, Răzvan RUGHINIŞ

A LOW-COST DEVICE FOR INVESTIGATING CHROMATIC VISION .................................................. Daniela Mariana BARBU

A MATHEMATICAL METHOD TO VALIDATE NEW ROMANIAN SPEECH AUDIOMETRY MATERIALS FOR EVALUATION THE HEARING LEVEL IN YOUNG AND ADULTS .................................................... Cristina Gena DASCALU, Sebastian COZMA, Gabriel DIMITRIU, Mihaela MOSCALU, Raluca OLARIU

MODELING OF SANGUINE FLOW IN DIFFERENT VASCULAR DISEASES ........................................... Mihai ILEA, Dragos AROTARITEI, Mariana ROTARIU, Marius TURNEA

ASSESSMENT OF THE PUBALGIC WALKING WITH THE HELP OF PODIATRY PLATFORM AT FOOTBALL PLAYERS .......................................................... Andrei-Cătălin IONIȚE, Mariana ROTARIU, Andrei GHEORGHITA

EOG SIGNAL PROCESSING ALGORITHM USED IN EYE MOVEMENT DETECTION .......................................................... Mihai MUNTEANU, Alina MAGDA, Corneliu RUSU, Radu CIORAP, Luige VLĂDĂREANU

VIRTUAL ENVIRONMENT SICKNESS – A TAKE FROM AVIATION MEDICINE PERSPECTIVE .......................................................... Dragos POPEȘCU, Adrian MACOVEI, Marian MACRI, Andreea POPEȘCU

AN ANALYSIS OF ELECTRO-OCULOGRAM SIGNALS PROCESSING USING ARTIFICIAL NEURAL NETWORKS .......................................................... Nagy ROBERT-BÉLA, Tiberiu VESSELENYI, Florin Popențiu-VLĂDICESCU
DETERMINATION OF GEOMETRICAL PARAMETERS THAT CHARACTERIZE TRANSFEMURAL STUMP ................................................................. 568
Mariana ROTARIU, Catalin IONITE, Dragos AROTARITEI, Andrei GHEORGHITA

SIMULATION AND MODELLING IN EDUCATION OF BIOMEDICAL ENGINEERS ..... 575
Martin ROŽÁNEK, Petr KUDRNA

E-LEARNING IN BIOENGINEERING IN ORDER TO ACQUIRE THE TOOLS CHARACTERISTICS USED IN LAPAROSCOPIC SURGERY ............... 579
Neculai Eugen SEGHEDIN, Adriana MUNTEANU

GRAPHIC INTERFACE FOR IDENTIFICATION AND ANALYSIS OF T-WAVE WITH APPLICATIONS IN CARDIOLOGY, TUTORIAL FOR BIOENGINEERING EDUCATION .................................................................................................................. 585
Marius TURNEA, Dragos AROTARITEI, Mihai ILEA, Andrei GHEORGHITA

E-LEARNING FOR MATH SKILLS IMPROVEMENT ................................................................................................................................. 593
Gheorghe ANGHEL

RENEWABLE ENERGY SYSTEM PLANNED WITH SUNNY DESIGN .................. 602
Gheorghe ANGHEL

USING GAMIFICATION FOR THE DEVELOPMENT OF SOFT SKILLS. SKILL GENERATOR ASSESSMENT GAME CASE STUDY ............................. 610
Elena DOCHIE, Cosmin HERMAN, Carmen EPURE

INDEX OF AUTHORS .................................................................................................................................................................................. 615