13th International Conference Mobile Learning 2017

Budapest, Hungary
10 – 12 April 2017

Editors:

Inmaculada Arnedillo Sanchez
Pedro Isaias
Luis Rodrigues

ISBN: 978-1-5108-4797-2

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571

Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2017) by International Association for Development of the Information Society (IADIS)
All rights reserved.

Printed by Curran Associates, Inc. (2017)

For permission requests, please contact International Association for Development of the Information Society (IADIS) at the address below.

International Association for Development of the Information Society (IADIS)
Rua Sao Sebastiao Da Pedreira
No. 100, 30, 1050-209
Lisbon, Portugal

Phone: 351 21 3151373
Fax: 351 21 3151244

secretariat@iadis.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

FOREWORD ix

PROGRAM COMMITTEE xi

KEYNOTE LECTURE xv

PANELS xvi

FULL PAPERS

DESIGN OF A PROTOTYPE MOBILE APPLICATION TO MAKE MATHEMATICS EDUCATION MORE REALISTIC 3
Dawid B. Jordaan, Dorothy J. Laubscher and A. Seugnet Blignaut

TABLETS AND APPLICATIONS TO TELL MATHEMATICS' HISTORY IN HIGH SCHOOL 11
Eduardo Jesus Dias, Carlos Fernando Araujo Jr. and Marcos Andrei Ota

ASSESSING THE POTENTIAL OF LEVELUP AS A PERSUASIVE TECHNOLOGY FOR SOUTH AFRICAN LEARNERS 18
Nhlanhla A. Sibanyoni and Patricia M. Alexander

#GOTTACATCHEMALL: EXPLORING POKEMON GO IN SEARCH OF LEARNING ENHANCEMENT OBJECTS 25
Annamaria Cacchione, Emma Procter-Legg and Sobah Abbas Petersen

A FRAMEWORK FOR FLIPPED LEARNING 33
Jenny Eppard and Aicha Rochdi

THE TECHNOLOGY ACCEPTANCE OF MOBILE APPLICATIONS IN EDUCATION 41
Mark Anthony Camilleri and Adriana Caterina Camilleri

ENGAGING CHILDREN IN DIABETES EDUCATION THROUGH MOBILE GAMES 49
Nilufar Baghaei, John Casey, David Nandigam, Abdolhossein Sarrafzadeh and Ralph Maddison

A MOBILE APPLICATION FOR USER REGULATED SELF-ASSESSMENTS 56
Fotis Lazarinis, Vassilios S. Verykios and Chris Panagiotakopoulos

ACCEPTANCE OF MOBILE LEARNING AT SMES OF THE SERVICE SECTOR 63
Marc Beutner and Frederike Anna Rüscher

SHORT PAPERS

POSSIBLE POTENTIAL OF FACEBOOK TO ENHANCE LEARNERS' MOTIVATION IN MOBILE LEARNING ENVIRONMENT 73
Mehwish Raza

D-MOVE: A MOBILE COMMUNICATION BASED DELPHI FOR DIGITAL NATIVES TO SUPPORT EMBEDDED RESEARCH 79
Otto Petrovic

SMALL PRIVATE ONLINE RESEARCH: A PROPOSAL FOR A NUMERICAL METHODS COURSE BASED ON TECHNOLOGY USE AND BLENDED LEARNING 84
Francisco Javier Delgado Cepeda

EXPERIMENTING WITH SUPPORT OF MOBILE TOUCH DEVICES FOR PUPILS WITH SPECIAL EDUCATIONAL NEEDS 89
Vojtěch Gybas, Kateřina Kostolányová and Libor Klubal

MOBILE LEARNING IN THE THEATER ARTS CLASSROOM 95
Zihao Li

NOMOPHOBIA: IS SMARTPHONE ADDICTION A GENUINE RISK FOR MOBILE LEARNING? 100
Neil Davie and Tobias Hilber

ANALYSIS OF MEANS FOR BUILDING CONTEXT-AWARE RECOMMENDATION SYSTEM FOR MOBILE LEARNING 105
Larysa Shcherbachenko and Samuel Nowakowski

RUNJUMPCODE: AN EDUCATIONAL GAME FOR EDUCATING PROGRAMMING 109
Matthew Hinds, Nilufar Baghaei, Pedrito Ragon, Jonathon Lambert, Tharindu Rajakaruna, Travers Houghton and Simon Dacey

READINESS FOR MOBILE LEARNING: MULTIDISCIPLINARY CASES FROM YAROSLAVL STATE UNIVERSITY 114
Vladimir Khryashchev, Natalia Kasatkina and Dmitry Sokolenko

THE M-LEARNING EXPERIENCE OF LANGUAGE LEARNERS IN INFORMAL SETTINGS 119
Emine Şendurur, Esra Efendioğlu, Neslihan Yondemir Çalışkan, Nomin Boldbaatar, Emine Kandin and Sevinç Namazli

REFLECTION PAPERS

NEW MODEL OF MOBILE LEARNING FOR THE HIGH SCHOOL STUDENTS PREPARING FOR THE UNIFIED STATE EXAM 127
Airat Khasianov and Irina Shakhova

RE-MENT - REVERSE MENTORING AS A WAY TO DECONSTRUCT GENDER RELATED STEREOTYPES IN ICT 131
Kathrin Permoser

ACADEMIC SUCCESS FOUNDATION: ENHANCING ACADEMIC INTEGRITY THROUGH MOBILE LEARNING 135
Alice Schmidt Hanbidge, Amanda Mackenzie, Nicole Sanderson, Kyle Scholz and Tony Tin

USING TABLET AND ITUNESU AS INDIVIDUALIZED INSTRUCTION TOOLS 139
Libor Klubal, Katerina Kostolányová and Vojtěch Gybas

DUOLIBRAS - AN APP USED FOR TEACHING-LEARNING OF LIBRAS 143
Erick Nilson Sodré Filho, Lucas Gomes dos Santos, Aristóteles Esteves Marçal da Silva, Nidyana Rodrigues Miranda de Oliveira e Oliveira, Pedro Kislansky and Marisete da Silva Andrade

EDUCATORS ADOPTING M-LEARNING: IS IT SUSTAINABLE IN HIGHER EDUCATION? 147
Nicole Sanderson and Alice Schmidt Hanbidge

M-KINYARWANDA: PROMOTING AUTONOMOUS LANGUAGE LEARNING THROUGH A ROBUST MOBILE APPLICATION 151
Emmanuel Bikorimana, Joachim Rutayisire, Mwana Said Omar and Yi Sun

POSTERS

DESIGN OF MOBILE E-BOOKS AS A TEACHING TOOL FOR DIABETES EDUCATION 159
Sophie Huey-Ming Guo

READING WHILE LISTENING ON MOBILE DEVICES: AN INNOVATIVE APPROACH TO ENHANCE READING 161
Aicha Rochdi and Jenny Eppard

DOCTORAL CONSORTIUM

HOW CAN TABLETS BE USED FOR MEANING-MAKING AND LEARNING 167
Liv Lofthus

AUTHOR INDEX