Preliminary Conference Program
Melbourne, Australia

Tuesday 6th, December 2016

08:30-18:45 Welcome Desk

09:45-10:00 Session O – Opening Session
(Room 80.11.06)

OPENING SESSION
Prof. Elspeth McKay and Pedro Isaías

10:00-11:00 Session KL1 – Keynote Presentation
(Room 80.11.06)

RIDING THE INNOVATION WAVE, AUSTRALIAN ICT PRACTICE IN A GLOBAL CONTEXT
by Ms. Brenda Aynsley, OAM, Fellow ACS, Australia

11:00-11:30 Coffee Break

11:30-12:45 Session FRP 6.1
Digital Services in e-Society
(Room 80.11.06)

ECG IDENTIFICATION SYSTEM USING NEURAL NETWORK WITH GLOBAL AND LOCAL FEATURES (F063)
Kuo-Kun Tseng, Dachao Lee and Charles Chen
SMARTENING UP: ONGOING CHALLENGES FOR AUSTRALIA’S OUTBACK (F021)
Lucy Cradock
SYNTHETIC BIOLOGY: KNOWLEDGE ACCESSED BY EVERYONE (OPEN SOURCES) (R090)
Patricia Margarita Sánchez Reyes

11:30-13:00 Session FP 6.2
Podcasting for Broadcasting Video Lectures // Other
(Room 80.11.07)

EVALUATING THE DESIGN AND DEVELOPMENT OF AN ADAPTIVE E-TUTORIAL MODULE: A RASCH-MEASUREMENT APPROACH (F201)
Allaa Barrafis and Elspeth McKay
TOWARDS A FRAMEWORK TO IMPROVE THE QUALITY OF TEACHING AND LEARNING: CONSCIOUSNESS AND VALIDATION IN COMPUTER ENGINEERING SCIENCE, UCT (F083)
Marcos Lévano and Andrea Albornoz
ANALYSING STUDENTS’ INTERACTIONS THROUGH SOCIAL PRESENCE AND SOCIAL NETWORK METRICS (F192)
Vanessa Cristina Martins da Silva and Sean Wolfgang Matsui Siqueira

13:00-14:00 Lunch Break

14:00-15:00 Session FP 6.3
Semantic Web and XML // Software Requirements and Web Architectures
(Room 80.11.07)

EXTRACTION OF GRAPH INFORMATION BASED ON IMAGE CONTENTS AND THE USE OF ONTOLOGY (F088)
Sarunya Kanjanawattana and Masaomi Kimura
APPLICABILITY OF DOMAIN-SPECIFIC APPLICATION FRAMEWORK FOR END-USER DEVELOPMENT (F074)
 Takeshi Chusho
14:00-14:35 Session SRP 6.4  
Sustainability and Green IT  
(Room 80.11.06)  
GREEN IT MODEL FOR IT DEPARTMENTS IN GULF COOPERATION COUNCIL (GCC) ORGANISATIONS (S119)  
Abdulaziz Alhaifal  
CLOUD COMPUTING IN HIGHER EDUCATION SECTOR FOR SUSTAINABLE DEVELOPMENT (R118)  
Yuchao Duan  

15:00-16:00 Session KL2 – Keynote Presentation  
(Room 80.11.06)  
NON-DISCIPLINE GRADUATE SKILLS: REVIEW AND ASSESSMENT  
by Dr. Kathy Lynch, University of the Sunshine Coast, Australia  

16:00-16:30 Coffee Break  

16:30-18:40 Session FSP 6.5  
Information Management // Other  
(Room 80.11.06)  
APPLICATION OF BUSINESS INTELLIGENCE SYSTEM IN COMPANY RESTRUCTURING PROCESS: THE CASE OF CROATIA (F082)  
Iva Bakula, Katarina Ćurko, Mirjana Pejić Bach and Vesna Bosilj Vukšić  
METHOD TO IDENTIFY DEEP CASES BASED ON RELATIONSHIPS BETWEEN NOUNS, VERBS, AND PARTICLES (F077)  
Daisuke Ide and Masuomi Kimura  
LEVERAGING DATA ANALYSIS FOR DOMAIN EXPERTS: AN EMBEDDABLE FRAMEWORK FOR BASIC DATA SCIENCE TASKS (F080)  
Johannes-Y. Lohrer, Daniel Kaltenbächer and Peer Kröger  
AN E-LEARNING SYSTEM WITH MR FOR EXPERIMENTS INVOLVING CIRCUIT CONSTRUCTION TO CONTROL A ROBOT (S092)  
Atsushi Takemura  
RACING TO THE FUTURE: SECURITY IN THE GIGABIT RACE? (S053)  
Mark A. Gregory and Lucy Croaduck  

16:30-18:30 Session FSP 6.6  
Social Media in Education // Education in the Network Society  
(Room 80.11.07)  
DIFFERENCES BETWEEN PERCEIVED USEFULNESS OF SOCIAL MEDIA AND INSTITUTIONAL CHANNLES BY UNDERGRADUATE STUDENTS (F159)  
Leandro Samida Garcia and Camila Mariane Costa Silva  
APPLICATION OF DIGITAL CYBERSECURITY APPROACHES TO UNIVERSITY MANAGEMENT – VFU SMART STUDENT (F176)  
Anna Nedyalkova, Teodora Bakardjieva and Krasimir Nedyalkov  
INTEGRATE WECHAT WITH MOODLE TO PROVIDE A MOBILE LEARNING ENVIRONMENT FOR STUDENTS (F089)  
Zhigao Li, Yibo Fan and Jianli Jiao  
SOCIAL NETWORKING FRAMEWORK FOR UNIVERSITIES IN SAUDI ARABIA (S144)  
Sulaiman Alqahtani  
USE OF COGNITIVE AND METACOGNITIVE STRATEGIES IN ONLINE SEARCH: AN EYE-TRACKING STUDY (P038)  
Mingming Zhou and Jing Ren
Wednesday 7th, December 2016

08:30-15:30 Welcome Desk

09:30-11:00 Session FSP 7.1
Sustainability and Education
(Room 80.11.06)

A RETHINK FOR COMPUTING EDUCATION FOR SUSTAINABILITY (F130)
Samuel Mann

DESIGN THINKING: A METHODOLOGY TOWARDS SUSTAINABLE PROBLEM SOLVING IN HIGHER EDUCATION IN SOUTH AFRICA (S129)
Keneilwe Munyai

NEW ECOLOGICAL PARADIGM AND SUSTAINABILITY ATTITUDES WITH RESPECT TO A MULTI-CULTURAL EDUCATIONAL MILIEU IN CHINA (S086)
Mona Wells and Lynda Petherick

HOW DOES THE USE OF MOBILE DEVICES AFFECT TEACHERS’ PERCEPTIONS ON MOBILE LEARNING? (S033)
Dong-Joong Kim, Daesang Kim and Sang-Ho Choi

09:10-11:00 Session FSP 7.2
Curricular Evolution // International Higher Education
(Room 80.11.07)

EDUCATIONAL ROBOTS IN PRIMARY SCHOOL TEACHERS’ AND STUDENTS’ OPINION ABOUT STEM EDUCATION FOR YOUNG LEARNERS (F150)
Eugenia Smyrnova-Trybulska, Nataliia Morze, Piet Kommers, Wojciech Zuczyk and Marisla Gladun

TOWARDS THE SUCCESSFUL INTEGRATION OF DESIGN THINKING IN INDUSTRIAL DESIGN EDUCATION (F170)
Omar Mubin, Mauricio Novoa and Abdullah Al Mahmud

INTERNATIONAL STUDY TOURS: A KEY TO 21ST CENTURY ACADEMIC AND INDUSTRY EXCHANGES (F164)
Ana Hol, Danielle Simiana, Gilbert Lieu, Ivan Ong, Josh Feder, Nima Darwe and Wakiil Almazi

RETHINKING E-LEARNING MEDIA: WHAT HAPPENS WHEN STUDENT LIKE MEETS PROFESSOR ME? (S193)
Stephen Arnold

11:00-11:30 Coffee Break

11:30-12:30 Session KL1 – Keynote Presentation
(Room 80.11.06)

Professor Pedro Isaias, University of Queensland, Brisbane, Australia

12:30-13:00 Doctoral Consortium
(Room 80.11.06)

A MODEL FOR AN INFORMATION SECURITY RISK MANAGEMENT (ISRM) FRAMEWORK FOR SAUDI ARABIAN ORGANISATIONS (D024)
Naser Alshareef

13:00-14:00 Lunch Break

14:00-14:45 Session FRP 7.3
e-Business / e-Commerce
(Room 80.11.06)

INVESTIGATING THE IDENTITY THEFT PREVENTION STRATEGIES IN M-COMMERCE (F073)
Mahmood Hussain Shah, Javed Ahmed and Zahoor Ahmed Soomro

EXPLORING CONNECTIVISM IN THE CONTEXT OF ONLINE SOCIAL TRADING (R050)
Endrit Kromidha
14:00-15:00 Posters Session
(Room 80.11.07)

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15:30 Social Event
**Thursday, 8th December 2016**

**08:30-13:10 Welcome Desk**

**9:10-11:00 – Session FSP 8.1**
Sustainability and Marketing and Barding // Sustainability, value and business strategy // Sustainability and Social (Room 80.11.06)

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<td>Nick Dejkovski</td>
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<td>CATEGORIZING ‘OTHERS’: THE SEGMENTATION OF OTHER ACTORS FOR ‘FAITH IN OTHERS’ EFFICACY (FIO) (S072)</td>
<td>Chi Kwan Ng and Clare D’Souza</td>
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**9:30-11:00 – Session FP 8.2**
Education as Professional Field (Room 80.11.07)

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<td>Rajeev Kumar Kanth and Mikko-Jussi Laakso</td>
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<td>AUTOMATED ASSESSMENT IN MASSIVE OPEN ONLINE COURSES (F184)</td>
<td>Dmitrii A. Ivaniushin, Dmitrii G. Shtennikov, Eugene A. Efimchick and Andrey V. Lyamin</td>
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**11:00-11:30 Coffee Break**

**11:30-13:00 Session FP 8.3**
Mobile Applications (Room 80.11.06)

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<td>Ruth Diko Wario, Bonface Ngari Irevi and Lizette De Wet</td>
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<td>CAR APP’S PERSUASIVE DESIGN PRINCIPLES AND BEHAVIOR CHANGE (F051)</td>
<td>Chao Zhang, Lili Wan and Daifuwan Min</td>
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<td>EVALUATING THE QUALITY OF EXPERIENCE OF A SYSTEM FOR ACCESSING EDUCATIONAL OBJECTS IN HEALTH (F070)</td>
<td>Miguel Wanderley, Júlio Menezes Jr., Cristine Gusmão and Rodrigo Lins</td>
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**11:30-12:50 Session FSRP 8.4**
Integrating Educational Technologies (Room 80.11.07)

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<td>TELLING THE STORY OF MINDRINGING: MINECRAFT, MINDFULNESS AND MEANINGFUL LEARNING (S175)</td>
<td>Deirdre Butler, Mark Brown and Gar Mac Críostú</td>
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<td>BLUE OCEAN STRATEGY FOR HIGHER EDUCATION (R154)</td>
<td>Ricardo Bragança</td>
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<td>EXPLORING HOW DIGITAL MEDIA TECHNOLOGY CAN FOSTER SAUDI EFL STUDENTS’ ENGLISH LANGUAGE LEARNING (R206)</td>
<td>Abdulmohsin Alauwî</td>
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**13:00 Best Paper Awards Ceremony and Closing Session**
(Room 80.11.06)

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