

**International Conferences on
Internet Technologies & Society 2014
Educational Technologies 2014
Sustainability, Technology and Education 2014**

**New Taipei City, Taiwan
Conference Program**

Wednesday 10th, December 2014

08:30-19:30 Welcome Desk (Room T306 at Ching-sheng Memorial Hall)

**09:30-09:45 Session O – Opening Session
(Room T-3FI)**

OPENING SESSION

Profs. Dian-Fu Chang and Pedro Isaiás

**09:45-10:45 Session KL1 – Keynote Presentation
(Room T-3FI)**

CLOUDCLASSROOM: THE NEXT GENERATION

by Chun-Yen Chang, Ph.D., NTNU Chair Professor and Director of Science Education Center, Taiwan

10:45-Group Photo

11:00-11:30 Coffee Break (Ching-sheng Memorial Hall Building)

**11:30-13:00 Session FP 10.1
Problem-based Learning // Other
(Room ED201)**

Chair: Jeremy Wendt

THE STUDY OF ADOPTING PROBLEM BASED LEARNING IN NORMAL SCALE CLASS COURSE DESIGN (EF079)

Chia-ling Hsu

STUDENT LEARNING THROUGH HANDS-ON INDUSTRY PROJECTS (EF132)

Lingma Lu Acheson

A STUDY OF FACILITATING COGNITIVE PROCESSES WITH AUTHENTIC SUPPORT (EF101)

Rustam Shadiev, Wu-Yuin Hwang, Yueh-Min Huang and Tzu-Yu Liu

11:30-12:45 Session SRP 10.2

E-Health // Other

(Room ED601)

Chair: Fu-Yuan Chiu

USING MOBILE TECHNOLOGIES TO CARRY OUT TERTIARY MEDICAL SERVICES IN CENTRAL AMERICA AND THE CARIBBEAN (TS021)

Angela Cruciano, Eric Diep, Shikha Gupta and Ajay Gupta

AUGMENTED REALITY-ASSISTED REHABILITATION OF ACTIVITIES OF DAILY LIVING (TS038)

Mengyu Zhao, Soh Khim Ong and Andrew Y.C. Nee

CUSTOMER SERVICE SYSTEM OF ADVANCED PHYSICAL EXAMINATION FOR HOSPITALS (TS052)

Tserentogtokh Tselmegmaa, Yung-Fu Chen and Hsuan-Hung Lin

THE IMPORTANCE OF ICT IN THE PREPARATION OF TELEHEALTH PUBLIC POLICY REGIONAL PROTOCOLS IN LATIN AMERICA (TR019)

Alaneir de Fátima dos Santos, Janaina Teixeira Nogueira, Maria do Carmo Barros de Melo, Simone Ferreira dos Santos, Cláudio de Souza and Humberto José Alves

13:00-14:15 Lunch Break

**14:15-15:15 Session KL1 – Keynote Presentation
(Room T-3FI)**

FROM SLATE TO TABLET: THE DEVELOPMENT OF NEW MEDIA FOR LEARNING IN TAIWAN

by Dr. David Tawei Ku, Department of Educational Technology Tamkang University, Taiwan

15:30-16:30 Session FP 10.3

IS Security Issues

(Room ED601)

Chair: Morten Meyerhoff Nielsen

AN INTELLIGENT HYBRID DECISION APPROACH WITH FEATURE SELECTION FOR ANOMALY NETWORK INTRUSION DETECTION SYSTEM (TF045)

Jamal Hussain and Samuel Lalmuanawma

PRIVACY ISSUES IN A CLEARING SYSTEM FOR A REGIONAL-SCALE PUBLIC TRANSPORT NETWORK (TF029)

Franco Callegati, Aldo Campi, Marco Prandini and Bendert Zevenbergen

15:40-16:30 Session FSP 10.4

Education for Sustainability

(Room ED201)

Chair: Dian-Fu Chang

DESIGNING PARTICIPATORY LEARNING (SF021)

Henriikka Vartiainen

BUILDING OF A DISASTER RECOVERY FRAMEWORK FOR E-LEARNING ENVIRONMENT USING PRIVATE CLOUD COLLABORATION (SS027)

Satoshi Togawa and Kazuhide Kanenishi

16:30-17:00 Coffee Break (College of Education Building)

17:00-19:25 Session FSRP 10.5

Education in the Network Society // Social Media in Education // Other

(Room ED201)

Chair: Martin Gellerstedt

ACADEMIC USE OF SOCIAL MEDIA TECHNOLOGIES AS AN INTEGRAL ELEMENT OF INFORMATICS PROGRAM DELIVERY IN MALAYSIA (ES120)

Jane See Yin Lim, Barry Harper and Joe F Chicharo

LESSONS LEARNT FROM AND SUSTAINABILITY OF ADOPTING A PERSONAL LEARNING ENVIRONMENT & NETWORK (PLE&N) (EF110)

Eric Tsui and Farzad Sabetzadeh

TEACHING AND LEARNING IN THE DIGITAL ERA: A CASE STUDY OF VIDEO-CONFERENCE LECTURES FROM JAPAN TO AUSTRALIA (EF112)

Seiko Yasumoto

STUDYING CHALLENGES IN INTEGRATING TECHNOLOGY IN SECONDARY MATHEMATICS WITH TECHNOLOGICAL PEDAGOGICAL AND CONTENT KNOWLEDGE (TPACK) (EF106)

Dorian Stoilescu

A DESIGN AND DEVELOPMENT OF DISTANCE LEARNING SUPPORT ENVIRONMENT FOR COLLABORATIVE PROBLEM SOLVING IN GROUP LEARNERS (ES145)

Takuya Nitta, Ryo Takaoka, Shigeki Ahama and Masayuki Shimokawa

STOIC BEHAVIOR HYPOTHESIS IN HINT SEEKING AND DEVELOPMENT OF REVERSI LEARNING ENVIRONMENT AS WORK BENCH FOR INVESTIGATION (ER096)

Kazuhiwa Miwa, Kazuaki Kojima and Hitoshi Terai

17:00-18:30 Session FSP 10.6

E-Learning

(Room ED601)

Chair: Li-Jen Shannon

FORGING A TEMPLATE OF MOOCS COURSE DEVELOPMENT EXPERIENCE IN TAIWAN HIGHER EDUCATION (TF014)

Chia-Ling Hsu and Yuh-Chang Lin

SELF-REGULATED LEARNING: A REQUIRED SKILL SET FOR THE 21ST CENTURY LEARNER (TF037)

Pieter Conradie and Roelien Goede

INSIGHTS OF LEARNING COMMUNITY OF PRACTICES IN GLOBAL CONTEXT (TS039)

Karen Yi-Chwen Kuo and Chi-Syan Lin

PRACTICAL USAGE OF A WEB SYSTEM FOR VISUALIZING HIGHLIGHTS AND COLLECTING EVALUATION COMMENTS ON TO ONLINE LECTURE VIDEOS (TP026)

Akinobu Ando, Hideaki Shimada, Eriko Uematsu, Akihiro Aoyagi and Taku Kawada

Thursday 11th, December 2014

08:30-15:30 Welcome Desk (Room T306 at Ching-sheng Memorial Hall)

09:00-11:00 Session FRP 11.1

Student-Oriented Learning // Motivating Students // Alternative Assessment Methods

(Room ED201)

Chair: Seiko Yasumoto

A FRAMEWORK FOR GAMIFIED ACTIVITIES BASED ON MOBILE GAMES PLAYED BY PORTUGUESE UNIVERSITY STUDENTS (EF108)

Ana Amélia Carvalho, Inês Araújo and Nelson Zagalo

THE OPENFOREST PORTAL AS AN OPEN LEARNING ECOSYSTEM: CO-DEVELOPING IN THE STUDY OF A MULTIDISCIPLINARY PHENOMENON IN A CULTURAL CONTEXT (EF124)

Anu Liljeström, Jorma Enkenberg, Petteri Vanninen, Henriikka Vartiainen and Sinikka Pöllänen

WORK-INTEGRATED LEARNING WITH WORK-INTEGRATED LEARNERS (EF123)

Martin Gellerstedt and Tobias Arvemo

WIKI-ENHANCED SCAFFOLDING TO ENCOURAGE STUDENT PARTICIPATION IN A CONTENT AND LANGUAGE INTEGRATED LEARNING (CLIL) CLASSROOM (ER081)

Chun-Yi Lin

ALTERNATIVE ASSESSMENT METHODS BASED ON CATEGORIZATIONS, SUPPORTING TECHNOLOGIES, AND A MODEL FOR BETTERMENT (ER090)

Marion G. Ben-Jacob and Tyler E. Ben-Jacob

09:00-11:00 Session FP 11.2
Education for Sustainability // Sustainability and Future Generation
(Room ED601)
Chair: Henriikka Vartiainen

THE RELATIONSHIP AMONG PRINCIPALS' TECHNOLOGY LEADERSHIP, TEACHING INNOVATION, AND STUDENTS' ACADEMIC OPTIMISM IN ELEMENTARY SCHOOLS (SF023)

Chuan-Chung Hsieh, Hung-Chin Yen and Liu-Yen Kuan

DESIGN RESEARCH METHODS FOR FUTURE MAPPING (SF017)

Sugandh Malhotra, Lalit K. Das and V. M. Chariar

MAKAHIKI: AN OPEN SOURCE SERIOUS GAME FRAMEWORK FOR SUSTAINABILITY EDUCATION AND CONSERVATION (SF026)

Yongwen Xu, Philip M. Johnson, George E. Lee, Carleton A. Moore and Robert S. Brewer

THE RELATIONSHIPS AMONG PRINCIPALS' DISTRIBUTED LEADERSHIP, SCHOOL KNOWLEDGE INNOVATION AND ICT USE IN TAIWANESE ELEMENTARY SCHOOLS (SF025)

Chuan-Chung Hsieh, Jui-Hsuan Hung and Hao-Chiou Li

11:00-11:30 Coffee Break (College of Education Building)

11:30-13:10 Session FSP 11.3
Integrating Educational Technologies // Education, Research, Exchange and Capacity Building // Other
(Room ED201)

Chair: Jason Beach

BUILDING BETTER DISCIPLINE STRATEGIES FOR SCHOOLS BY FUZZY LOGICS (EF078)

Dian-Fu Chang, Ya-Yun Juan and Wen-Ching Chou

ASSESSING CRITICAL THINKING PERFORMANCE OF POSTGRADUATE STUDENTS IN THREADED DISCUSSIONS (EF084)

Cheng Lee Tan and Lee Luan Ng

DIGITAL STORYTELLING ACROSS CULTURES: CONNECTING CHINESE & AUSTRALIAN SCHOOLS (ES111)

Mark Pegrum, Grace Oakley, Cher Ping Lim, Xi Bei Xiong and Hanbing Yan

A STUDY ON BUILDING AN EFFICIENT JOB SHADOWING MANAGEMENT METHODOLOGY FOR THE UNDERGRADUATE STUDENTS (ES134)

Koichi Sakoda and Masakazu Takahashi

11:30-13:00 Session FP 11.4
Intelligent Agents // Intelligent Systems // Virtual Reality
(Room ED601)

Chair: Laura Sartori

EXTENDING A SMART HOME MULTI-AGENT SYSTEM WITH ROLE-BASED ACCESS CONTROL (TF051)

Enrico Denti, Roberta Calegari and Marco Prandini

PREDICT USER ANOMALY USING COLLABORATIVE FILTERING AND IP BLACKLIST (TF048)

Zong-Cyuan Jhang and Alexander Chen

IDENTITY CONTINUITY BETWEEN REAL SELF AND VIRTUAL WORLD AVATARS (TF041)

Wendy Hui, Thomas Chesney, Swee-Hoon Chuah, Robert Hoffmann and Jeremy Larner

13:00-14:15 Lunch Break

14:15-15:15 Session KL1 – Keynote Presentation
(Room T-3FI)

EMPATHY, EMPATHIC INFORMATION SYSTEMS AND NEW DIRECTIONS FOR LEARNING

by Prof. Pedro Isaias, Universidade Aberta (Portuguese Open University), Portugal

15:30 Social Event

Friday 12th, December 2014

08:30-13:00 Welcome Desk

09:00-11:00 Session FSP 12.1
Mobile, Virtual and Vicarious Learning
(Room ED201)

Chair: Lih-Ching Chen Wang

MOBILE-ASSISTED SECOND LANGUAGE LEARNING: DEVELOPING A LEARNER-CENTERED FRAMEWORK (EF091)

Choy Khim Leow, Wan Ahmad Jaafar Wan Yahaya and Zarina Samsudin

SOCIAL INTERACTION DEVELOPMENT THROUGH IMMERSIVE VIRTUAL ENVIRONMENTS (EF130)

Jason Beach and Jeremy Wendt

USING TABLET PCS IN CLASSROOM FOR TEACHING HUMAN-COMPUTER INTERACTION: AN EXPERIENCE IN HIGH EDUCATION (ES122)

André Constantino da Silva, Daniela Marques, Rodolfo Francisco de Oliveira and Edgar Noda

TECHNOLOGY AND MOTOR ABILITY DEVELOPMENT (ES107)

Lin Wang, Yong Lang and Zhongmin Luo

THE INTEGRATED FRAMEWORK OF COLLEGE CLASS ACTIVITIES—USING LEARN MODE WITH THE INTRODUCTION OF EDUCATIONAL TECHNOLOGY AS AN EXAMPLE (ES083)

Chia-Ling Tsai and David Tawei Ku

09:20-11:00 Session FSP 12.2
E-Society and Digital Divide //
E-Government / E-Governance
(Room ED601)

Chair: Wan Jen Chang

AN ANALYSIS OF THE DANISH APPROACH TO EGOVERNMENT BENEFIT REALISATION (TF018)

Morten Meyerhoff Nielsen and Mika Yasuoka

SOCIAL NETWORKS: ADVANTAGES AND DISADVANTAGES OF ITS USE IN JOB HUNTING (TF046)

Micaela Courelas and Pedro Isaias

THE 'I' IN DALIT: SELF-IDENTITY, SOCIAL MEDIA AND THE PERSONALIZATION OF SUBALTERN POLITICS (TS050)

Johannes G. de Kruijff

RESEARCH DIRECTIONS IN E-VOTING (TS028)

Marco Prandini and Laura Sartori

11:00-11:30 Coffee Break (College of Education Building)

11:30-12:45 Session SRP 12.3
Teacher Education // Integrating Educational
Technologies
(Room ED201)

Chair: Marion Ben-Jacob

TRAINING PRE-SERVICE CHINESE LANGUAGE
TEACHERS TO CREATE INSTRUCTIONAL VIDEO TO
ENHANCE CLASSROOM INSTRUCTION (ES094)

Lih-Ching Chen Wang and Ming-Chian Ken Wang

USING PROJECT-BASED LEARNING AND GOOGLE DOCS
TO SUPPORT DIVERSITY (ES116)

Amy Leh

EXPLORING SOCIAL EQUITY ASPECTS IN
INTEGRATING TECHNOLOGY IN PRIMARY
MATHEMATICS EDUCATION (ES105)

Dorian Stoilescu

PRAGMATICS AND SEMIOTICS: MOVIES AS AESTHETIC
AUDIO-VISUAL DEVICE EXPEDITE SECOND LANGUAGE
ACQUISITION (ER129)

Lucia Y. Lu

11:30-12:30 Session SP 12.4
e-Mobile Learning // Curriculum Content Design &
Development
(Room ED601)

Chair: Johannes De Kruijf

THE RESEARCH OF INFORMATION AND TECHNOLOGY
APPLICATION ON SEVENTH-GRADE STUDENTS'
ENGLISH SENTENCE PATTERN LEARNING AND
TEACHING (TS027)

Fu-Yuan Chiu and Hui-Mei Liao

A CASE STUDY OF APPLYING AUGMENTED REALITY
LEARNING SYSTEM TO ASSIST RURAL ELDER'S
LEARNING (TS032)

Wan Jen Chang and Zong Mu Yeh

A CASE STUDY OF ROBOTICS MENTORING PROGRAM
FOR PROMOTING STEM FIELDS (TS020)

Li-Jen Shannon

12:45 Best Paper Awards Ceremony and Closing Session
(Room ED201)

Profs. Dian-Fu Chang and Pedro Isaiás