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# Emerging Technologies for Education

First International Symposium, SETE 2016  
Held in Conjunction with ICWL 2016  
Rome, Italy, October 26–29, 2016  
Revised Selected Papers

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# Preface

SETE 2016 was the first Annual International Symposium on Emerging Technologies for Education held in conjunction with ICWL 2016 and organized by the Hong Kong Web Society. SETE is open to the public for organizing a workshop or a track so as to achieve diversity in the symposium. Fueled by ICT technologies, the e-learning environment in the education sector has become more innovative than ever before. Diversified emerging technologies containing various software and hardware components provide the underlying infrastructure creating enormous potential educational applications incorporated by proper learning strategies. Moreover, these prevalent technologies might also lead to changes in the educational environment as well as in learning performance. Moreover, new paradigms are also emerging with the purpose of bringing these innovations to a level where they are widely accepted and sustainable. Therefore, this symposium aims to be a meeting point for researchers, educationists, and practitioners to discuss state-of-the-art and in-progress research, exchange ideas, and share experiences about emerging technologies for education. This symposium attempts to provide opportunities for the cross-fertilization of knowledge and ideas from researchers in diverse fields that make up this interdisciplinary research area. We hope that the implications of the findings of each work presented at this symposium can be used to improve the development of educational environments.

This year's conference was located in Rome, the vibrant capital of Italy, which stands on the ancient trading routes between North and South. This strategic position has made Rome a hotspot where many cultures have met, battled, traded, and exchanged knowledge.

This year we received 139 submissions from 12 countries worldwide. After a rigorous double-blind review process, 81 papers were selected as full/short papers, yielding an acceptance rate of 59%. These contributions cover the latest findings in various areas, such as: emerging technologies for open access to education and learning; emerging technologies-supported personalized and adaptive learning; emerging technologies for the design, model, and framework of learning systems; emerging technologies support for intelligent tutoring; emerging technologies support for game-based and joyful learning; emerging technologies-enhanced language learning; emerging technologies-supported big data analytics in education; emerging technologies-supported collaborative learning; emerging technologies of pedagogical issues; emerging technologies for affective learning; and emerging technologies for tangible learning.

Moreover, SETE 2016 featured three distinguished keynote presentations and eight workshops, complementing the main conference areas and covering a wide range of topics including: active ageing and digital inclusion; emerging technologies for language learning; online adaptive learning techniques and applications; social and personal computing for Web-supported learning communities; user modeling for Web-based learning; peer review, peer assessment, and self-assessment in education;

technology-enhanced language learning; and the applications of information and communication technologies in adult and continuing education.

We would like to thank the entire Organizing Committee and especially the organization co-chairs, Yueh-Min Huang and Rosella Gennari, for their efforts and time spent to ensure the success of the conference. We would also like to express our gratitude to the Program Committee members for their timely and helpful reviews. And last but not least, we would like to thank all the authors for their contribution in maintaining a high-quality conference – we count on your continual support to play a significant role in the Web-based learning community in the future.

September 2016

Yueh-Min Huang  
Rosella Gennari  
Yiwei Cao  
Haoran Xie  
Ting-Ting Wu

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# Contents

## **Emerging Technologies Support for Game-Based and Joyful Learning**

The Analysis of Incidental Learning in the Affinity Spaces of a Smartphone Game “ <i>Neko Atsume</i> ” . . . . .	3
<i>Toru Fujimoto and Christopher Michael Yap</i>	
Exploring the Factors that Influence the Intention to Play a Color Mixing Game . . . . .	14
<i>Yong-Ming Huang, Chia-Sui Wang, Tien-Chi Huang, and Chia-Chen Chen</i>	
Imitating a Hot Puzzle Game for English Vocabulary Exercise in E-book System . . . . .	21
<i>Tien-Wen Sung and Ting-Ting Wu</i>	
Coding, the New Literacy: Thinking-Oriented Programing Learning e-Book . . .	27
<i>Tien-Chi Huang, Vera Yu Shu, Chia-Chen Chen, and Yu-Lin Jeng</i>	
Exploration on the Effectiveness of Learning, Interest, and Attitude of the Integration of Review System of History Based on Mobile Game and Forgetting Curve. . . . .	34
<i>Chih Wei Chao, Lei Chang, An-Chi Cheng, and Ting-Ting Wu</i>	

## **Emerging Technologies of Design, Model and Framework of Learning Systems**

The Effect of 635 Brainstorming on the Creativity of Programming Design . . .	45
<i>Tzone-I Wang and Po-Ching Chang</i>	
Exploring the Development of Engineering Design in an Integrative Robotic STEM Program. . . . .	52
<i>Yu-Kai Chen and Chi-Cheng Chang</i>	
Increasing the Learning Performance via Augmented Reality Technology: A Case Study of Digital Image Processing Course . . . . .	58
<i>ChinLun Lai and YuFang Chu</i>	
A Conceptual Framework Over Contextual Analysis of Concept Learning Within Human-Machine Interplays . . . . .	65
<i>Farshad Badie</i>	

An Intelligent Concept Map for e-book via Automatic Keyword Extraction . . .	75
<i>Chin-Feng Lai, Chun-Wei Tsai, Shih-Yeh Chen, Ren-Hung Hwang, and Chu-Sing Yang</i>	
Using Mindtool-Based Collaborative Learning Approach for Higher Education to Support Concept Map Construction . . . . .	86
<i>Chia-Chen Chen, Yueh-Min Huang, Pei-Hsuan Lin, Yu-Lin Jeng, Yong-Ming Huang, and Mu-Yen Chen</i>	
Construction of Efficient Cloud-Based Digital Course Learning Platform for Agricultural Worker . . . . .	97
<i>Jui-Hung Chang, Chien-Yuan Tseng, and Ren-Hung Hwang</i>	
Towards Semantic Analysis of Mentoring-Learning Relationships Within Constructivist Interactions . . . . .	107
<i>Farshad Badie</i>	
Using AHP to Critical Thinking Develop in Precision Measurement of Vocational College Students . . . . .	117
<i>Dyi-Cheng Chen, Ci-Syong You, Fu-Yuan Gao, and Bo-Yan Lai</i>	
Using Summarization Technology for Supporting Problem-Based Learning . . .	123
<i>Yu-Lin Jeng, Yong-Ming Huang, and Tien-Chi Huang</i>	
<b>Emerging Technologies Supported Personalized and Adaptive Learning</b>	
Change Support to Maintain Quality in Learning Technology Systems . . . . .	135
<i>Claus Pahl</i>	
Smart, Innovative Teaching Supported by Decision Software – Case Study in Educational Institution . . . . .	143
<i>Hana Mohelska, Marcela Sokolova, and Vaclav Zubr</i>	
Computer Adaptive Learning Platform for Calculus. . . . .	153
<i>Shing-Lin Chang and Shu-Chen Cheng</i>	
<b>Emerging Technologies of Pedagogical Issues</b>	
A Pathway into Computational Thinking in Primary Schools . . . . .	165
<i>Aleksandra Djurdjevic-Pahl, Claus Pahl, Ilenia Fronza, and Nabil El Ioini</i>	
Development and Evaluation of STEM Based Instructional Design: An Example of Quadcopter Course . . . . .	176
<i>Chih-Hung Lai and Chih-Ming Chu</i>	

**Emerging Technologies Enhanced Language Learning**

Improving Students’ English Technical Terms Learning and Willingness to Communicate Through Meaning Negotiation . . . . . 195  
*Yaming Tai, Yu-Liang Ting, and Pei-Shan Hsieh*

A Study on the Usability of Multimedia E-Books with Problem-Based Learning (PBL) Model in Junior High School Students’ English Classes . . . . 205  
*Yi-Tung Lin, Yi-Chien Huang, I-Ting Wang, and Kuei-Chih Chuang*

An Inquiry-Based Digital Storytelling Approach for Increasing Learner Autonomy in English. . . . . 219  
*Ming-Chi Liu and Yueh-Min Huang*

Investigating Students’ Use and Evaluation of Video as a Form of Computer Assisted Language Learning Material . . . . . 225  
*Hsiu-Ting Hung, Yu-Fang Lu, and Hui-Chin Yeh*

The Effects of Peer Interaction-Based Learning Community Through Facebook on Students’ English Learning Attitude and Motivation . . . . . 240  
*I-Ting Wang, Yi-Tung Lin, I-Ying Tsai, and Kuei-Chih Chuang*

**Emerging Technologies Supported Innovative Learning**

A Novel Web Publishing System Architecture for Statistics Data Using Open Source Technology . . . . . 259  
*Md Mostafizur Rahman, Hans Dicken, and Dirk Huke*

Towards Personalization of Peer Review in Learning Programming. . . . . 270  
*Joseph Sunday, Ghislain Maurice Norbert Isabwe, Muhammad Usman Ali, and Renee Patrizia Schulz*

The Design of TurnTalk for the Scaffolding of Balanced Conversations in Groups of Children . . . . . 278  
*Alessandra Melonio and Mehdi Rizvi*

Tangible Design for Inclusive Conversations with Deaf or Hard-of-Hearing Children. . . . . 288  
*Rosella Gennari, Francesco Pavani, and Mehdi Rizvi*

**Workshop on Active Ageing and Digital Inclusion**

Sentiment Analysis for Older People in Cross-Platform Instant Messaging Service . . . . . 301  
*Haoran Xie, Tak-Lam Wong, Di Zou, Fu Lee Wang, and Leung Pun Wong*

English Education for the Elderly in Hong Kong . . . . .	306
<i>Di Zou, Fu Lee Wang, Haoran Xie, and Tak-Lam Wong</i>	
Photography-Based Intervention: When the Aged Meets Digital Age . . . . .	311
<i>Wai-Yip Chen</i>	
A Study of Tag-Based Recipe Recommendations for Users in Different Age Groups . . . . .	315
<i>Wei Chen and Zhemin Li</i>	
Social Support and Sense of Loneliness in Solitary Older Adults . . . . .	326
<i>Xue Bai, Shuyan Yang, Fu Lee Wang, and Martin Knapp</i>	
Using iBeacon Technology for Active Aging Learning . . . . .	331
<i>Tak-Lam Wong, Haoran Xie, Di Zou, and Fu Lee Wang</i>	

**Workshop on Emerging Technologies for Language Learning**

Learner Feature Variation in Measuring the Listenability for Learners of English as a Foreign Language . . . . .	339
<i>Katsunori Kotani and Takehiko Yoshimi</i>	
Corpus-Based Correlational Study of Terms and Quality in Business English Writing . . . . .	349
<i>Shili Ge, Jingchao Zhang, and Xiaoxiao Chen</i>	
Speech Verbs' Typology and Their Translation in Chinese. . . . .	359
<i>Nana Jin and Zili Chen</i>	
An Empirical Study of Corpora Application in Data-Driven English Lexical Learning . . . . .	370
<i>Xiaowen Wang and Tianyong Hao</i>	
Automatic Essay Scoring Based on Coh-Metrix Feature Selection for Chinese English Learners . . . . .	382
<i>Xia Li and Jianda Liu</i>	
Text Analysis of Corpus Linguistics in a Post-concordancer Era . . . . .	394
<i>Simon Ho Wang</i>	
Comparing the Performance of Latent Semantic Analysis and Probability Latent Semantic Analysis Models on Autoscoring Essay Tasks . . . . .	401
<i>Xiaohua Ke and Haijiao Luo</i>	

**Workshop on Online Adaptive Learning Techniques and Applications**

Look Taiwan Education Big Data Research and Development . . . . .	415
<i>Yu-Sheng Su, Chester S.J. Huang, Sheng-Yi Wu, and Chiu-Nan Su</i>	

VisCa: A Dashboard System to Visualize Learning Activities  
from E-learning Platforms . . . . . 422  
*Chan-Hsien Lin, Shih-Shin Hu, Horng-Yih Lai, Chieh-Feng Chiang,  
Hsiao-Chien Tseng, and Yuan-Che Cheng*

Building an Online Adaptive Learning and Recommendation Platform. . . . . 428  
*Hsiao-Chien Tseng, Chieh-Feng Chiang, Jun-Ming Su, Jui-Long Hung,  
and Brett E. Shelton*

Adaptation of Personalized Education in E-learning Environment . . . . . 433  
*Kateřina Kostolányov*

Closing the Reading Gap with Virtual Maze Environments . . . . . 443  
*Lisa Gabel, Evelyn Johnson, Brett E. Shelton, and Jui-Long Hung*

A Comparison of Adaptive Learning Within the SOI Model  
Using Paper and Computer Presentation. . . . . 455  
*Huei-Ping Chen, Wen-Yi Lin, and Fang-Ming Hwang*

**Workshop on Social and Personal Computing for Web-Supported  
Learning Communities**

Wikis as a Mediation Platform for Developing Learning Communities:  
The WEKI Framework . . . . . 463  
*George Palaigeorgiou and Ioannis Kazanidis*

Obtaining Assessment Tests After Double Filtration . . . . . 473  
*Doru Popescu Anastasiu, Nicolae Bold, and Ion Alexandru Popescu*

Automatic Inspection of E-Portfolios for Improving Formative  
and Summative Assessment . . . . . 480  
*Wolfgang Muller, Sandra Rebholz, and Paul Libbrecht*

Social Network Sites and Their Use in Education . . . . . 490  
*Blanka Klimova and Petra Maresova*

Automatic Student Group Generation for Collaborative Activities Based  
on the Zone of Proximal Development. . . . . 496  
*Maria De Marsico, Emanuele Giarlini, Andrea Sterbini,  
and Marco Temperini*

sMOOC and Gamification – A Proposed Ubiquitous Learning . . . . . 507  
*Javier Gil-Quintana, Lucıa Camarero-Cano, Carmen Cantillo-Valero,  
and Sara Osuna-Acedo*

Second Screen User Profiling and Multi-level Smart Recommendations  
in the Context of Social TVs . . . . . 514  
*Angelos Valsamis, Alexandros Psychas, Fotis Aisopos,  
Andreas Menychtas, and Theodora Varvarigou*

Keyword-Based Similarity Using Automatically Generated Semantic Graph  
in an Online Community of Practice . . . . . 526  
*Oumayma Chergui, Ahlame Begdouri, and Dominique Groux-Leclat*

Adaptive Video Techniques for Informal Learning Support  
in Workplace Environments . . . . . 533  
*Miloš Kravčík, Petru Nicolaescu, Aarij Siddiqui, and Ralf Klamma*

**Workshop on User Modeling for Web-Based Learning**

Towards a Characterization of Educational Material: An Analysis  
of Coursera Resources . . . . . 547  
*Carlo De Medio, Fabio Gasparetti, Carla Limongelli, Matteo Lombardi,  
Alessandro Marani, Filippo Sciarrone, and Marco Temperini*

Agent-Based Simulation for Agricultural Learning Resource  
Recommendation Based on Geographical Similarities . . . . . 558  
*Wei Chen and Zhemin Li*

Topic-Level Clustering on Web Resources . . . . . 564  
*Shiyu Zhao, Fu Lee Wang, and Leung Pun Wong*

When Innovation Meets Evolution: An Extensive Study of Emerging  
e-Learning Technologies for Higher Education in Hong Kong . . . . . 574  
*Yunhui Zhuang, He Ma, Haoran Xie, Alvin Chung Man Leung,  
Gerhard P. Hancke, and Fu Lee Wang*

Diachronic Analysis on the Change of Citation Behaviour Based  
on the Core Medical Journals in Guangdong Province . . . . . 585  
*Shuo Wang, Changchen Zhan, Yangling Chen, Qingyuan Wu,  
Xinjie Yuan, and Lingnan He*

On Security and Privacy of Quick Response System  
in Classroom Teaching . . . . . 591  
*Ying Chen, Yunhui Zhuang, Haoran Xie, and Fu Lee Wang*

**Workshop on Peer Review, Peer Assessment, and Self-assessment  
in Education**

Improving Peer Assessment Modeling of Teacher’s Grades, The Case  
of OpenAnswer. . . . . 601  
*Maria De Marsico, Andrea Sterbini, and Marco Temperini*

Embedding Interuniversity Peer Review in Virtual Learning Groups: A Research-Based Learning Scenario. . . . .	614
<i>Michael A. Herzog, Elisabeth Katzlinger, and Martin Stabauer</i>	
Peer Reviews in a Web Design Course: Now Students like Them Too . . . . .	624
<i>Zuzana Kubincová, Martin Homola, and Veronika Dropčová</i>	
Exploring the Role of Online Peer-Assessment as a Tool of Early Intervention . . . . .	635
<i>Michael Mogessie Ashenafi, Marco Ronchetti, and Giuseppe Riccardi</i>	
<b>Workshop on Technology Enhanced Language Learning</b>	
An Investigation of Students' Perception on Willingness to Communicate Behavior and Synchronous Communication . . . . .	647
<i>Mei-Jen Audrey Shih and Jie Chi Yang</i>	
Effects of Flipped Jigsaw Collaborative Learning on English as a Foreign Language Learning Anxiety . . . . .	654
<i>Yoshiko Goda, Masanori Yamada, Kojiro Hata, Hideya Matsukawa, and Seisuke Yasunami</i>	
Application of Facebook Platform Assists Taiwanese Students to Learn Vietnamese . . . . .	665
<i>Thi Thanh Tuyen Mai and Eric Zhi-Feng Liu</i>	
Developing a Speaking Practice Website by Using Automatic Speech Recognition Technology . . . . .	671
<i>Howard Hao-Jan Chen</i>	
Classification of Speaking Proficiency Level by Machine Learning and Feature Selection. . . . .	677
<i>Brendan Flanagan, Sachio Hirokawa, Emiko Kaneko, and Emi Izumi</i>	
Integrating Mind Tools and Peer Assessment for Assisting Students in Foreign Language Learning . . . . .	683
<i>Ting-Chia Hsu</i>	
Game-Based Educational Application for Informal Learning of English Using FLEG. . . . .	691
<i>Boyu Wang, Feier Tang, Kousuke Kaneko, Masanori Yamada, and Yoshihiro Okada</i>	
Timeline Wiki: Reflections on the Use of an Innovative Teaching Strategy. . . . .	701
<i>Aubrey Neil Leveridge</i>	

An Investigation into English Language Learners' Argumentative Writing Performance and Perceptions . . . . .	712
<i>Hsiu-Ting Hung, Hui-Chin Yeh, and Chun-Hao Chou</i>	
Lessons from Six Years of Online Proficiency Testing Associated with the Freshman and Sophomore English Course in a Technology University . . . . .	721
<i>Gloria Shu Mei Chwo</i>	
Applying MOOCs to Standard Courses: Some Facts . . . . .	727
<i>Hsing-chin Lee</i>	
Assessment in the eLearning Course on Academic Writing – A Case Study . . .	733
<i>Blanka Klimova</i>	
<b>Workshop on the Applications of Information and Communication Technologies in Adult and Continuing Education</b>	
How Solid Learning Model Influence Learners' Creativity?—An Empirical Study to Explore the Relationships Between Personalization, Interdisciplinary Capability and Creativity . . . . .	741
<i>Xuesong Zhai, Jing Zhang, Huifu Xu, Yan Dong, Qiaoqiao Zhan, Yuee Chen, Huimin Zhang, and Jing Yuan</i>	
Taiwan In-Service Teachers' Perceptions of 21 <sup>st</sup> Century Learning Practice, Design Disposition, and Usage of Information and Communication Technology (ICT) . . . . .	749
<i>Sheng Lun, Tzung-Jin Lin, Chih-Hui Lin, Ching Sing Chai, Jyh-Chong Liang, and Chin-Chung Tsai</i>	
<b>Author Index</b> . . . . .	757