

## Eleventh International Conference on eLearning for Knowledge-Based Society

12 – 13 December 2014 at Srisakdi Charmonman Institute, Siam Technology College,  
46 Jaransanitwong Road, Wat Thapra, Bangkok-Yai, Bangkok 10600 Thailand.

57 Papers from 18 Countries

(Canada, Finland, France, Germany, India, Indonesia, Iran, Laos, Libya, Malaysia, Myanmar, Nepal,  
Norway, Philippines, Singapore, South Korea, Thailand, and United Kingdom)

### *Friday 12 December 2014*

#### *Auditorium*

<b>08:00-09:00</b>	Registration
<b>09:00-09:05</b>	<b>Report to the Chairman</b> By <b>Prof. Dr. Srisakdi Charmonman</b> , President of Asia Pacific eLearning Association
<b>09:05-09:25</b>	<b>Opening Address</b> By <b>Assoc. Prof. Dr. Khunying Arom Chanuanjit</b> Vice - Chairman of Distance Learning Foundation, Thailand
<b>09:25-09:30</b>	<b>Welcoming Remarks</b> By <b>Mr. Pornphisud Mongkhonvanit</b> , President of Siam Technology College
<b>09:30-10:00</b>	<i>Coffee Break</i>
<b>10:00-12:00</b>	<i>Session 1 – 4, Auditorium</i>
<b>10:00-10:30</b>	<b>Session 1: Session Chair: Assoc. Prof. Dr. Churairat Duangduen</b> Keynote Address: MOOC and eLearning 2014 By Prof. Dr. Srisakdi Charmonman, Mr. Pornphisud Mongkhonvanit, and Miss Kawisara Patthamasoot, Thailand
<b>10:30-11:00</b>	<b>Session 2: Session Chair: Assoc. Prof. Dr. Churairat Duangduen</b> Keynote Address: Overcoming eLearning Challenges: Live Online Lessons Engage Students to Learn More on eLearning Courses By Mika Martikainen and Mark Curcher, Finland
<b>11:00-11:30</b>	<b>Session 3: Session Chair: Assoc. Prof. Dr. Churairat Duangduen</b> Keynote Address: How do the Representations of Learners on Learning Culture Evolve via a Social Network and Situational Problems Integrate with ICT? By Bruno Marchal, France
<b>11:30-12:00</b>	<b>Session 4: Session Chair: Assoc. Prof. Dr. Churairat Duangduen</b> Keynote Address: eLearning at Assumption University By Asst. Prof. Dr. Firouz B. Anaraki (Iran) and Myo Han Htun (Myanmar)
<b>12:00-13:00</b>	<i>Lunch</i>

## Friday 12 December 2014

	<i>Session 5a – 10a, Seminar 1.</i>	<i>Session 5b – 10b, Seminar 2.</i>	<i>Session 5c – 10c, Seminar 3.</i>
<b>13:00-16:30</b>	<b>Session Chair: Dr. Thakrit Panklib</b>	<b>Session Chair: Dr. Suwat Saktrisul</b>	<b>Session Chair: Mr. Sumit Kumar Bhalla</b>
<b>13:00-13:30</b>	<b>Session 5a:</b> Keynote Address: A Survey of Gadgets for eLearning2014 By Kawisara Patthamasoot, Thailand and Prof. Dr. Srisakdi Charmonman	<b>Session 5b:</b> Keynote Speaker: Quality Frameworks and Standards in eLearning Systems By Moncef Bari and Rachida Djouab, Canada	<b>Session 5c:</b> Keynote Address: Enhancing e-Skills Learning in the Internet of Learning Things Era By Mr. Pornphisud Mongkhonvanit, Thailand
<b>13:30-14:00</b>	<b>Session 6a:</b> A Comparison the Achievement of STEM Learning and Imagineering Learning by Undergraduate Student in Computer Science By Julalak Watthananon, Thailand	<b>Session 6b:</b> Assessment in E-learning Environment Readiness of Teaching Staff, Administrators and Students of Faculty of Nursing-Benghazi University By Jennifer O. Contreras, Libya	<b>Session 6c:</b> Knowledge on Demand: Experiences of Web Information in Developing Wind Mill Based Drip Irrigation By Rahul Angadi, Sagar Nandani, and Dr. Deepak G. Kulkarni, India
<b>14:00-14:30</b>	<b>Session 7a:</b> No Woodoo with Odoos By Andreas Becker and Jarinya Sonvisai, Germany and Thailand	<b>Session 7b:</b> The Results of Using Google Drive & Weblog and Traditional Method Learning on the Information Technology for Life Subject for Enhancing the System Thinking of Undergraduate Students in Chaiyaphum Rajabhat University By A. Surin Cortong and Sirinan Thanudca, Thailand	<b>Session 7c:</b> Active Learning in a Virtual Environment: Miriam College's Experience on Teaching Online Facilitation By Sheila Dingcong and Maria Lourdes Quisumbing- Baybay, Philippines
<b>14:30-15:00</b>	<i>Coffee Break</i>		
<b>15:00-15:30</b>	<b>Session 8a:</b> Keynote Address: Elearning Managements By Prof. Dr. Nipone Sookpreedee and Jutawon Kacha, Thailand	<b>Session 8b:</b> Keynote Address: Analysis of the Offline and Online Data of Students Using Clustering and Classification Techniques By Ellenita R. Red, Gabriel Clark C. Cancino, Martijn Jan Willem V. Hanrath, and Justin Gerard E. Ricardo, Philippines	<b>Session 8c:</b> Keynote Address: A Survey of Apps for eLearning2014 By Prof. Dr. Srisakdi Charmonman, Prof. Dr. Nipone Sookpreedee, and Miss Kawisara Patthamasoot, Thailand
<b>15:30-16:00</b>	<b>Session 9a:</b> Assessment of the Impact of Blended Learning in Teaching Algebra at Malayan Colleges Laguna By Ria Grace P. Abdon, Philippines	<b>Session 9b:</b> A Survey of Technology Usage by Primary and Secondary Schoolchildren in Thailand By Antony Harfield, Ratchada Viriyapong, Hsu Nang, and Jenjira Nakrang, UK, Myanmar, and Thailand	<b>Session 9c:</b> Blended Learning: An Approach to Improve Student Performance in Calculus By Engr. Lito E. Suello, Philippines
<b>16:00-16:30</b>	<b>Session 10a:</b> Technology as a Facilitator for Learning Capacity, a Fade or Trend? By Aurilla Aurelie Bechina Arntzen and Yang Yang Zhao, Norway	<b>Session 10b :</b> Analysis of Energy Consuming for Correlation Based Data Aggregation By R. Vijila and C.S. Thayanandeeswari, India	<b>Session 10c:</b> Cyber Surfing and Practical Security Privacy and the Challenges of Public Policies By Seyed Reza Eftekhari and Saeed Moradinezhad, Iran



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<i>Saturday 13 December 2014</i>			
08:00-09:00	Registration		
	<i>Session 11a – 15a, Seminar 1.</i>	<i>Session 11b – 15b, Seminar 2.</i>	<i>Session 11c – 15c, Seminar 3.</i>
09:00-12:00	<b>Session Chair: Mr. Sumit Kumar Bhalla</b>	<b>Session Chair: Dr. Suwat Saktrisul</b>	<b>Session Chair: Dr. Thammanit Varaporn</b>
<b>09:00-09:30</b>	<b>Session 11a:</b> Keynote Address: Technical Aspect of Providing the E-learning Material for Art and Culture By Ridwan Sanjaya, Tjahjono Rahardjo, and Rustina Untari, Indonesia	<b>Session 11b:</b> Keynote Address: Instructional Strategies of MOOC that We Can Use By Lim Kin Chew, Singapore	<b>Session 11c:</b> Keynote Address: Generation Z: Fostering Entrepreneurial Intention through Online Store Project with PRIME Model By Rini Setyo Witiastuti and Sandy Arief, Indonesia
<b>09:30-10:00</b>	<b>Session 12a:</b> A SUT Smart Educational Media Creator to Promote Critical Thinking Skill By Phantipa Amornrit and Pongsak Withayagiat, Thailand	<b>Session 12b:</b> Effect of Adding Solar Pipe to Room's Illuminan By T. Brenda Chandrawati, Moedartianto, and VG. Sri Rejeki, Indonesia	<b>Session 12c:</b> Teachers' Interest in Entrepreneurship of Educational Game By Nathasia Austin Wijaya, Aprilia Ratna Christianti, and Ridwan Sanjaya, Indonesia
<b>10:00-10:30</b>	<b>Session 13a:</b> The Recommender System of Teaching Development Guideline using Text Mining Technique By Wanvipa Wongvilaisakul and Uraivan Inyaem, Thailand	<b>Session 13b:</b> Collaborative Learning in Designing and Developing Hydrogen Reinforced Fuel Combustion Engine for a Two Wheeler By Niranjana Karagi, Prof. Malagouda Patil, and Dr. D.G. Kulkarni, India	<b>Session 13c:</b> Automatic Course Planning System using Rule-Based Ontological Knowledge Base By Pongpon Nilaphruek, Thailand
<b>10:30-11:00</b>	<i>Coffee Break</i>		
<b>11:00-11:30</b>	<b>Session 14a:</b> Keynote Address: Measuring Interaction Effect by Latent Moderated Structural (LMS) Modeling for Mobile Device Usage in e-Learning in Thailand By Dr. Inpong Luanglath, Laos	<b>Session 14b:</b> Keynote Address: Blended Learning Approach to Licensed Aircraft Engineer Trainees: Determinants and Satisfaction By Tengku Shahrana Tengku Abdul Jalal, Raeidah Ariff, Mas Juita Mohd Ishak, and Al-Mansor Abu Said, Malaysia	<b>Session 14c:</b> Keynote Address: Academic Information Systems Student Study Report Based HTML5 By FX Hendra Presetya, Indonesia
<b>11:30-12:00</b>	<b>Session 15a:</b> Scientific Visualization through the Graphic Design By Okky Octavia Ratna Sari and T. Brenda Chandrawati, Indonesia	<b>Session 15b:</b> Learning Electronics using Arduino By Yulianto T. Putranto, Indonesia	<b>Session 15c:</b> Idea Development for Games of Education for School's Entrepreneurship Sustainability By Vania Wahyu Febriani, Daniel Sigit Ardityo, and Ridwan Sanjaya, Indonesia

## Saturday 13 December 2014

Saturday 13 December 2014			
12:00-13:00	<i>Lunch</i>		
	<i>Session 16a – 22a, Seminar 1.</i>	<i>Session 16b – 22b, Seminar 2.</i>	<i>Session 16c – 22c, Seminar 3.</i>
13:00-16:00	<b>Session Chair: Dr. Yudh Jayapravitra</b>	<b>Session Chair: Dr. Thakrit Panklib</b>	<b>Session Chair: Dr. Niwes Wongsuwan</b>
<b>13:00-13:30</b>	<b>Session 16a:</b> Keynote Address: Internet Based Learning of Vedic Mathematics: Global Reach By Aneel Deshpande, Akhil Deshpande, and Deepak Kulkarni, India	<b>Session 16b:</b> Keynote Address: Internet Technologies to Help Preventing the Parental Alienation Syndrom By Andreas Becker and Jarinya Sonvisai, Germany and Thailand	<b>Session 16c:</b> Keynote Address: The Utilization of eLearning in Management Accounting Learning By Linda Agustin, Dhini Suryandari, and Rini Setyo Witiastuti, Indonesia
<b>13:30-14:00</b>	<b>Session 17a:</b> Planning of Making the Introducing Edifice Game By Reni Dwi Pertiwi and Erdhi Widyarto, Indonesia	<b>Session 17b:</b> Spiritual and Moral Reinforcements in eLearning: A Global Need By Dr. Deepak G. Kulkarni, Akhil A. Deshpande, and Aneel Deshpande, India	<b>Session 17c:</b> A Development of Item Analysis System and Item Banking System with Case Study of Internet Technology for Daily Uses By Julalak Watthananon, Piyanan Teabsornchai, and Sirinan Chuaytem, Thailand
<b>14:00-14:30</b>	<b>Session 18a:</b> Brain Teasers, Music and Jokes: Planned Pop Ups in eLearning to Break Monotony By Dr. D.G. Kulkarni, India	<b>Session 18b:</b> ICT in Primary Foreign Language Education: Transforming Children’s Learning Across the Curriculum By Dararat Khampusaen, Thailand	<b>Session 18c:</b> Internet Usage in Developing an Instrument Evaluation Character Education in the Primary School Based Culture By Nina Oktarina, Indonesia
<i>Coffee Break</i>			
<b>15:00-15:30</b>	<b>Session 19a:</b> Keynote Address: Conceptualizing Access to E- learning Reviewing Standards and Policies of the Global Paradigm By Dr. Seyed Reza Eftekhari, Iran	<b>Session 19b:</b> Keynote Address: Collaborative Learning Technique Using Internet Sharing for Demonstration of Computer Aided Engineering Drawings By Prof. Akhil Deshpande, India	<b>Session 19c:</b> Keynote Address: Automatic Speaker Recognition Using Fuzzy Vector Quantization By Suresh Kumar Chhetri and Subarna Shakya, Nepal
<b>15:30-16:00</b>	<b>Session 20a:</b> A Case Study in Applying Gamification Techniques on Mobile Technology for Mathematics High School Students to Learn Polynomial Functions By Ratchada Viriyapong, Pensiri Yosyingyong, Jenjira Nakrang, and Antony Harfield, UK, Myanmar, and Thailand	<b>Session 20b:</b> Assessment and Analysis on Color Image Classification Techniques of Dermatological Ulcers By K. Madhan Kumar and C. Dhaniya Briskillal, India	<b>Session 20c:</b> Challenges in Implementing ICT in School Education through Learning Management System in India By Amit Kumar and Tanvir Singh, China and India

<p><b>16:00-16:30</b></p>	<p><b>Session 21a:</b> The Development of Using Google Applications and Traditional Method Learning on the Information Technology for Life Subject or Enhancing the System Thinking of Undergraduate Students in Chaiyaphum Rajabhat University By A. Surin Cortong and Sirinan Thanadca, Thailand</p>	<p><b>Session 21b:</b> Preliminary Assessment of Effectiveness of Blended Learning Environment among Students of National University By: Maria Risario D. Rodavia, Philippines</p>	<p><b>Session 21c:</b> Utilization of Mangrove Seeds and Leaves By Leocadia Desy Pranatalisa and T. Brenda Chandrawati, Indonesia</p>
<p><b>16:30-17:00</b></p>	<p><b>Session 22a:</b></p>	<p><b>Session 22b:</b> Educational Game Monetization By Stephani Inggrit S.D. and Ridwan Sanjaya, Indonesia</p>	<p><b>Session 22c:</b> Creative Society, Future Literacy and Information Technology By Hangsub CHOI, South Korea</p>