



The Twelfth International Conference on eLearning for Knowledge-Based Society

“Theory and Practices in eLearning 2015 and Future”

11 - 12 December 2015 at Srisakdi Charmonman Institute, Siam Technology College,
46 Charansanitwong Road, Wat Thapra, Bangkok Yai, Bangkok 10600, Thailand

61 Papers from 19 Countries

(Australia, China, Germany, Hong Kong, India, Indonesia, Iran, Korea, Laos,
Mexico, Myanmar, Nepal, Netherlands, Philippines, Singapore,
Thailand, UK, USA, and Viet Nam)

Friday 11 December 2015

Auditorium

08:00-09:00	Registration
09:00-09:05	Report to the Chairman By Prof. Dr. Srisakdi Charmonman, President of Asia Pacific eLearning Association
09:05-09:25	Opening Address By His Excellency Mr. Ampol Senanarong, Privy Councillor
09:25-09:30	Welcoming Remarks By Mr. Pornphisud Mongkhonvanit, President of Siam Technology College
09:30-10:00	<i>Coffee Break</i>
10:00-12:00	Session 1 - 4, Auditorium
10:00-10:30	Session 1: Session Chair: Assoc. Prof. Dr. Churairat Duangduen Keynote Address: Applications of Internet of Things in E-Learning By Prof. Dr. Srisakdi Charmonman, Mr. Pornphisud Mongkhonvanit (Thailand), Vo Ngoc Dieu (Viet Nam), and Niek van der Linden (Netherlands)
10:30-11:00	Session 2: Session Chair: Assoc. Prof. Dr. Churairat Duangduen Keynote Address: M-Learning Transformation Framework and Strategy in Mobile Economy Era By Settapong Malisuwan, Wassana Kaewphanuekrungsi, and Jesada Sivaraks (Thailand)
11:00-11:30	Session 3: Session Chair: Assoc. Prof. Dr. Churairat Duangduen Keynote Address: Case Studies of xAPI Applications to E-Learning By Kin Chew Lim (Singapore)
11.30:12.00	Session 4: Session Chair: Assoc. Prof. Dr. Churairat Duangduen Keynote Address: The Use of E-Learning Systems to Impart Education on Sufficiency Economy in Thailand By Glen Vivian Gerard Chatelier (India)
12:00-13:00	<i>Lunch</i>

Friday 11 December 2015

	Session 5a – 11a, Seminar 1. (Room No. 9610)	Session 5b – 11b, Seminar 2. (Room No. 9611)	Session 5c – 11c, Seminar 3. (Room No. 9612)
13:00-17:00	Session Chair: Dr. Thakrit Panklib	Session Chair: Dr. Suwat Saktrisul	Session Chair: Mr. Sumit Kumar Bhalla
13:00-13:30	Session 5a: Keynote Address: A Survey of Apps for E-Learning 2015 By Prof. Dr. Srisakdi Charmonman, Mr. Pornphisud Mongkhonvanit (Thailand), and Jeong Hwan Lee (Korea)	Session 5b: Keynote Address: Next Generation M-Government in Mobile Economy: Transformation Framework and Recommendations By Settapong Malisuwan, Wassana Kaewphanuekrungsi, and Jesada Sivaraks (Thailand)	Session 5c: Keynote Address: E-Learning via Social Media By Firouz Anaraki (Iran)
13:30-14:00	Session 6a: Synthesize Essential Elements for Virtual Flipped Classroom Environment with Scaffolding System to Support Active Learning to Develop Creative Thinking and ICT Literacy By Nipada Trairut and Namon Jeerangsuwan (Thailand)	Session 6b: Gender Disaggregated Analysis of the E-Learning Readiness State of Students in a Public Higher Education Institution By Christian Baña, Jennifer Roanne Romasame, and Elvira Cristobal (Philippines)	Session 6c: Design and Development of a Mobile Persuasive Game on Code of Conduct Awareness for Eco-Park Visitors By Ellenita Red, Manny Mar Gonzales, Jose Eduardo Roxas, and Edgardo Jr. Santos (Philippines)
14:00-14:30	Session 7a: E-Learning Security for Collaborative Academy in Area of ASEAN Community By Sarawut Ramjan (Thailand)	Session 7b: The Missing “Kinesthetic” Component in E-Learning: How it can be Incorporated? By Deepak Kulkarni (India)	Session 7c: Gamification Model for Virtual Team Collaborative Learning via Cloud Technology By Paripas Srisomboon and Namon Jeerungsuwan (Thailand)
14:30-15:00	Coffee Break		
15:00-15:30	Session 8a: Keynote Address: The Impact of Quality On-Line Distance Education of the 21st Century Professionals: a Global Perspective By Adam Goh (Singapore)	Session 8b: Keynote Address: Wearable Technology and E-Learning By Prof. Dr. Srisakdi Charmonman (Thailand), Mario Rodriguez (Mexico), Greg Bassani Oam (Australia), and Ajam Sumit Sharma (Nepal)	Session 8c: Keynote Address: Text Neck Epidemic: a Growing Problem for Smartphone Users in Thailand By Poonsri Vate-U-Lan (Thailand)
15:30-16:00	Session 9a: The Study of Competency of Instructors toward Teaching and Learning in the 21st Century By Kittisak Singsungnoen and Namon Jeerungsuwan (Thailand)	Session 9b: Generic Web Resources to Reinforce Learning By Deepak Kulkarni, Vinay Katageri, and Aditya Athalye (India)	Session 9c: Emergence Big Data in the Cloud for Education Institutions By Pradit Songsangyos and Prachyanun Nilsook (Thailand)
16:00-16:30	Session 10a: Psychological Barriers in Accepting E-Learning in Professional Education By Basavaraj Katageri and Deepak Kulkarni (India)	Session 10b: Learners’ Acceptance of Flipped Learning using Social Media By Pradit Songsangyos and Namon Jeerungsuwan (Thailand)	Session 10c: The Study of Information, Media, and Technology Competencies for Undergraduate Students according to 21st Century Learning Framework By Watjanarat Kuandee and Namon Jeerungsuwan (Thailand)
16:30-17:00	Session 11a: A Study of Acceptance of Teaching and Learning toward Massive Open Online Course (MOOC) By Apasara Chaiyajit and Namon Jeerungsuwan (Thailand)	Session 11b: The Design of the Learning Activity Model using the Flipped Classroom Concept By Panthul Minwong and Namon Jeerungsuwan (Thailand)	Session 11c: Factors Supporting STEM Education Learning Management of Leader Teachers in STEM Education Network of Thailand By Niramis Painprasert and Namon Jeerungsuwan (Thailand)



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Saturday 12 December 2015			
08:00-09:00	Registration		
	Session 12a – 16a, Seminar 1. (Room No. 9610)	Session 12b – 16b, Seminar 2. (Room No. 9611)	Session 12c – 16c, Seminar 3. (Room No. 9612)
09:00-12:00	Session Chair: Mr. Sumit Kumar Bhalla	Session Chair: Dr. Suwat Saktrisul	Session Chair: Asst. Prof. Dr. Suchart Tantanadaecha
09:00-09:30	Session 12a: Keynote Address: Drivers of MOOC Sustainability: a Comparison of the USA and India By Mariam Aman Shah (UK), Christian Wagner (Hong Kong), and Murat Oztok (UK)	Session 12b: Keynote Address: ePortfolios and why we should have and use them! By Andreas Becker (Germany), Jarinya Sonvisai, and Lalita Choosong (Thailand)	Session 12c: Keynote Address: The Current State and Emerging Trends of Technology usage among Young People in Thailand By Antony Harfield (UK), Hsu Nang (Myanmar), and Ratchada Viriyaopong (Thailand)
09:30-10:00	Session 13a: Professional Development in Information Technology Competency for Teachers in Basic Education Schools By Supinda Lertlit (Thailand)	Session 13b: Development Management Model of Industrial Work Practice at Vocational High School Based Entrepreneurship By Samsudi Samsudi, Joko Widodo, and Sunyoto Sunyoto (Indonesia)	Session 13c: The Effect of Blended Learning Approach Using Facebook and Learning Experiences Outside the Classroom on an Inquiring Mind of Freshmen in Teacher Education Program at Institute of Physical Education, Chumphon Campus By Narumon Rodniam (Thailand)
10:00-10:30	Session 14a: BKK Management at Vocational School in Semarang By Joko Widodo, Nina Oktarina, and Hengky Pramusinto (Indonesia)	Session 14b: Development of Learning Activity Plans for Acquiring Teaching Skills and Desired Characteristics of Catechists in Accordance with Ignatian Pedagogical Paradigm in Thailand By Watchasin Kritjaroen (Thailand)	Session 14c: Circuit Simulators: a Revolutionary E-Learning Platform By Mahi Itagi and Akhil Deshpande (India)
10:30-11:00	Coffee Break		
11:00-11:30	Session 15a: Keynote Address: E-Learning 3.0 Implementation using Moodle Platform By Ridwan Sanjaya (Indonesia)	Session 15b: Keynote Address: Assessing Perceived Effectiveness on Teaching /Learning of Training on the Development/Application of Interactive Learning Materials for New Faculty Members of the University of the Philippines Los Baños (UPLB) By Beverly Pabro, Joel Anthony Cardenas, and Maribel Sese (Philippines)	Session 15c: Keynote Address: Internet Based Control and Operation of Computer Numeric Control Machines By Akhil Deshpande, Vinayak Kulkarni, and Anuj Deshpande (India)
11:30-12:00	Session 16a: General Public Licenses: GNU GPL v.3, AGPL v.3, and LGPL v.3 - the Benefits and Risks of Freedom By Andreas Becker (Germany), Jarinya Sonvisai, and Lalita Choosong (Thailand)	Session 16b: School Accountability Based on E-Archives at Senior High School in Semarang By Nina Oktarina, Hengky Pramusinto, and Linda Agustina (Indonesia)	Session 16c: Internet Plagiarism in PhD Papers By Dararat Khampusaen (Thailand)

Saturday 12 December 2015

12:00-13:00			
Lunch			
	Session 17a – 23a, Seminar 1. (Room No. 9610)	Session 17b – 23b, Seminar 2. (Room No. 9611)	Session 17c – 23c, Seminar 3. (Room No. 9612)
13:00-17:00	Session Chair: Dr. Yudh Jayapravitra	Session Chair: Dr. Thakrit Panklib	Session Chair: Dr. Niwes Wongsuwan
13:00-13:30	Session 17a: Keynote Address: Web Based Structural Health Monitoring Located at Remote Locations Collaborating Computer and Electronics By Swati Joshi and Akhil Deshpande (India)	Session 17b: Keynote Address: Contextual Application of Learning Analytics: Three Case Snippets from India By Nitin Simha and Mk Rao (India)	Session 17c: Keynote Address: Wis Semar: Application of Tourism Public Guide with Augmented Reality Technology By Lidya Oktorina Kusuma Sakti and Vania Wahyu Febriani (Indonesia)
13:30-14:00	Session 18a: Development of Student's Research Skills using Social Networks and Ubiquitous Learning in Flipped Classroom By Pathapong Pongpatrakant (Thailand)	Session 18b: The Implementation of an Integrated Academic Information System (SIKADU) to Improve Academic Service at the Faculty of Economics Semarang State University By Kardoyo Kardoyo, Hengky Pramusinto, and Nina Oktarina (Indonesia)	Session 18c: Model for Development of Competencies of Physical Education Professional Teacher Enhancement in 21st Century Educational in Innovation and Information Technology By Pensri Srisawat, Naiyana Buppawong, and Yuthana Wongwirat (Thailand)
14:00-14:30	Session 19a: The Use of Electronic Learning Management System to Enhance Learning and Achievement Case Study: Course Analysis and Design Students of the Program Department of Computer and Information Systems By Somphong Wathanti and Anuchavadee Chaithongsri(Thailand)	Session 19b: Preliminary Research on Adoption and Diffusion Model of SMEs E-Learning in Thailand By Noppadol Tiamnara (Thailand)	Session 19c: Raspberry PIAs E-Learning Machine By Erdhi Widyarto Nugroho (Indonesia)
14:30-15:00			
Coffee Break			
15:00-15:30	Session 20a: Keynote Address: Educators' Perspective towards the Adoption of E-Learning System in Public Schools in India By Amit Kumar, Tanvir Singh (India), and Yunfei Liu (China)	Session 20b: Keynote Address: Enhancing E-Learning User Interaction using Video Chat and Video Streaming By Albertus Dwiyoga Widiatoro and Ridwan Sanjaya (Indonesia)	Session 20c: Keynote Address: Interactive Learning Materials (ILMs) as Supplement for Teaching High School Students in the Philippines By Chinen Aguna and Lynie Dimasuy (Philippines)
15:30-16:00	Session 21a: Inverting a Computer Programming Class with the Flipped Classroom By Wichai Puarungroj (Thailand)	Session 21b: Buddhist Theory of Education for E-Learning By Inpong Luanglath (Laos)	Session 21c: Teaching Tool: Finite Element Analysis of 2D Truss Problem by VBA Program By Supachard Krudtong (Thailand) and Saeed Moaveni (USA)
16.00-16.30	Session 22a: Effective Educational Game Map By Khoiril Anam Shona and Brenda Chandrawati (Indonesia)	Session 22b: Perspective of Thai Students toward E-Learning Study By Pisit Prougestaporn and Thichakorn Visansakon (Thailand)	Session 22c: Development of the Achievement Learning Op-Amp and IC of Higher Vocational Electronic Students by Communications Technology and Information Technology By Pitipark Pinrod (Thailand)
16:30-17:00	Session 23a: Application of Social Network in Healthcare Study of Master's Degree Students, Faculty of Education from Kanchanaburi Province By Chusak Narkprasit (Thailand)	Session 23b: Educational Game Character Development By Khoiril Fikri Shona and Brenda Chandrawati (Indonesia)	Session 23c: The Development of E-Learning Courseware: Research Methodology for Project Courses of School of Science and Technology By Sorapak Pukdesree (Thailand)