



AEL2019 Program

August 6-9, 2019

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| Session | August 7th, 2019 @Room 2 |
| AEL1 | 10:30 - 12:00 Session Chair: Prof. Rustam Shadieff, China |
| 1 | Effect of Ubiquitous Physics App on Learning Achievements in Authentic Contexts Siska Wati Dewi Purba and Wu-Yuin Hwang |
| 2 | Target-Monitoring Learning Companion Design Yung-Tzu Joyce Lin, Shein-Yung Cheng and Meng-Yen Tom Lin |
| 6 | Comparing effects of speech-to-text recognition versus speech-enabled language translation on cognitive load Rustam Shadieff, Narzikul Shadieff, Mirzaali Fayzieff and Barry Lee Reynolds |

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| Session | August 7th, 2019 @Room 2 |
| AEL2 | 13:00 - 14:30 Session Chair: Prof. Ting-Ting Wu, Taiwan |
| 7 | A Framework for Mobile Meaningful Plant Learning to Improve Natural Science Learners' Performance Nadia Parsazadeh, Han-Chieh Chao, Yueh-Min Huang, Peiyu Cheng and Ting-Ting Wu |
| 20 | To investigate an instant translation for assisting students' understandings of lecture slides Chaknarin Kongcharoen |
| 11 | Wireless Sensor Network for Monitoring of Water Quality for pond Tilapia Tanomsak Wongmeekaew, Sarawoot Boonkirdram and Songgrod Phimpisan |

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| Session | August 7th, 2019 @Room 2 |
| AEL3 | 14:40 - 16:10 Session Chair: Prof. Jun-Ming Su, Taiwan |
| 12 | An active learning strategy driven by course crowdsourcing and crowdvoting Haibao Chen, Deru Song and Yuyan Zhao |
| 14 | Research on Behavior Patterns of School Administrators in the MOOC of ICT Leadership Xiaowei Zhao and Shusheng Shen |
| 15 | A Scheme to Create Simulated Test Items for Facilitating the Assessment in Web Security Subject Jun-Ming Su |



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| Session | August 7th, 2019 @Room 2 |
| AEL4 | 16:10 - 17:30 Session Chair: Prof. Siriporn Sansri, Thailand |
| 16 | Structural Relationships among In-Service Teacher's Behavioral Intention, Perceived Usefulness, Perceived Ease of Use and Online Professional Development System Quality Davaanyam Tumenbayar, Amarzaya Amartuvshin and Tserendorj Navchaa |
| 17 | What Motivates Learners' Intention to Use Blackboard Mobile Learning (BML)?: Evidence from Thailand Nattaporn Thongsri and Yukun Bao |
| 18 | ICT Curriculum Requirements in the Service Area of Champasak University, Laos Suparp Kanyacome, Pitak Paksanondha, Souksan Vilavong and Piyanuch Jaikaew |
| 19 | Design and Implementaion of Smart Small Aquaponics System Siriporn Sansri, Wu-Yuin Hwang and Teerasak Srikumpa |

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| Session | August 8th, 2019 @Room 2 |
| AEL5 | 10:30 - 12:00 Session Chair: Prof. Gheorghita Ghinea, UK |
| 8 | PassSmell: Using Olfactory Media for Authentication Anas Ali Alkawasbeh, Gheorghita Ghinea and Wu-Yuin Hwang |
| 21 | Effects of Troubleshooting Tasks with Prompt Information on Students' Transfer Performance in Robotics Education Qiuju Si and Baichang Zhong |
| 22 | The Investigation of Primary School Students' Cooperative and Competitive Personality in Robotics Course Liyang Xia and Baichang Zhong |