

Poster and Oral Presentation Program
ACER-N 2018 and I AM STEM 2018
14th-15th August 2018
AVANI Hotel, Khon Kaen, Thailand

Poster Presentation Program

Date/Time	Convention hall 3 ; Chair: Supawadee Sarawan		
14 th August 2018	Code	Author	Title
3.30 – 4.00 p.m.	PO-STEM01	Artnarong Manosuttirit	How to Apply Technology in STEM Education Activities By Project Based Learning
	PO-STEM02	Sa-nguansak Kosinan	A Best Practice to Develop Integrated STEM Activities in Class: How PBL (Project Based Learning) Process Proceeds throughout School Project for Environmental
	PO-STEM03	Chwanchanok Theerasan and Chokchai Yuenyong	Issues for Further Organizing STEM Education Learning Activities in School Setting
	PO-STEM04	Puttachat Chumwangwapee and Chokchai Yuenyong	Mathematics Teaching and Learning about Multiple: a Case of Short Brainstem Grade 6 Students
	PO-STEM05	Nakin Satchakett and Aduldej Thana	Project STEM education-Based Learning Activities impacting on teamwork skills and Satisfaction of grade 11 Students in KhonKaenWittayayon School
	PO-STEM06	Siwa Pinasa and Luksanawadee Srisuk	Project STEM education-Based Learning Activities impacting on creativity and Attitude of grade 11 Students in KhonKaenWittayayon School
	PO-STEM07	Thanaban Kwanman and Charuni Samat	Design Framework of Constructivist Mobile Application Learning Environment to Foster Creative Thinking on Basic Photography Skill for High School Students
	PO-STEM08	Janjira Saisang, Jiraporn Tupsai and Chokchai Yuenyong	Infusing Ethical and Moral Issues in a Grade 12 Biology Laboratory
	PO-STEM09	Tatcha Sampim, Salinkarn Phupa and Supitcha Sampim	Efficiency and Effectiveness of Universal Indicator from Native Plants in South of Thailand
	PO-STEM10	Samruan Chinjunthuk and Chokchai Yuenyong	The Game Card Mathematical Learning Unit about Integer Number

Oral Presentation Program

Parallel Session

Date/Time	Convention hall 3 ; Chair: Rifka Fachrunnisa		
14 th August 2018	Code	Author	Title
1.40 - 2.00 p.m.	OR-ACERN01	Yagus Triana HS, Iskhak, and Dharyanto Tito Wardani	Developing College Students' Intercultural Competence through the Course of Intercultural Studies: A 'Glocal' Content Driven Needs Analysis at a Private College in Ciamis, Indonesia
2.00 - 2.20 p.m.	OR-ACERN02	Pham Thi Kieu Oanh, Dinh Thi Lien and Dang Thi Thu Huong.	Using literature circle technique to organize group-work activities in english speaking lessons for students at grade 10, Thai Nguyen high school
2.20 – 2.40 p.m.	OR-ACERN03	Do Huong Tra and Nguyen Thi Dieu Linh	Competence model of designing competency assessment tool: recommendation and experiment
2.40 – 3.00 p.m.	OR-ACERN04	Ngo Thi Thanh Quy, Nguyen Thi Thu Thuy and Tran Thi Ngoc Anh	Vietnamese language education for ethnic minority students at primary level in northwest vietnam by tools and software for vietnamese language proficiency
3.00 - 3.20 p.m.	OR-ACERN05	Tran Thi Ngoc Anh, Ngo Thu Thuy and Phung Thi Thanh Tu	Preserving the Values of Vietnamese Minorities Traditional Literature in Educational Environments Through Employment of the 5W1H Model
3.20 – 3.30 p.m.	Coffee break		
4.00 – 4.20 p.m.	OR-ACERN06	Dang Thi Thu Huong	Using facebook in blended-learning to support english pronunciation teaching and learning activities for the first year english majors at thai nguyen university of education
4.20 – 4.40 p.m.	OR-ACERN07	Kamonchanok Musikasan, Sangchom Punseelao, Panida Nongse and Sreypich Cheng	Love Card: Language development in early childhood
4.40 – 5.00 p.m.	OR-ACERN08	A.Suradi	The development of multicultural-oriented Islamic religious education in school
5.00 – 5.20 p.m.	OR-ACERN09	Asri Yuliana, Nur Alim and Fahmi Gunawan	Academic stress potential of students of biology study program iain kendari
5.20 – 5.40 p.m.	OR-ACERN10	Herlina , Nur Alim and Abdul Kadir	Implementation of computer-based national examination in smp negeri 4 kendari, indonesia (principal strategy in implementation of unbk)
5.40 – 6.00 p.m.	OR-STEM49	Nguyen Van Bien, Nguyen Thi To Khuyen and Nguyen Thi Thu Thuy	Interviewing STEM teachers about perspective toward STEM education in Vietnam
6.00 – 6.20 p.m.	OR-ACERN15	Mukhidin and M. Mamduh Winangun	The Analysis of Pedagogic Competence and The Readiness of Internship Students to Implement Curriculum

Date/Time	Room : Ratchaphruek 4 ; Chair: Dr.Nophakun Ngaewkoodrua		
14 th August 2018	Code	Author	Title
1.40 - 2.00 p.m.	OR-STEM01	Wisanutorn Nammungkhun, Napaporn Yuttaisong and Wanphakorn Jumphonnoi	What Teachers learned from STEM Education Project: Case Study of High School Teachers
2.00 - 2.20 p.m.	OR-STEM02	Soonthareeya Sanium and Khajornsak Buaraphan	Research about Metacognition in Science Education: A Case of Basic Education in Thailand
2.20 - 2.40 p.m.	OR-STEM03	Trinh-Ba TRAN and Quyen T.H. DO	STEM education in Vietnam (V-STEM): Conception, current status and future plan
2.40 - 3.00 p.m.	OR-STEM04	Nguyen Van Bien, Xayparseut Vylaychit and Nguyen Anh Thuan	Develop experimental competence of Lao PDR pupils in sciences classroom secondary school
3.00 - 3.20 p.m.	OR-STEM05	Siripun Siribunnam	A Case Study of STEM Education on Secondary Students' Socio-scientific decision making
3.20 – 3.30 p.m.	Coffee break		
4.00 – 4.20 p.m.	OR-STEM06	Wisit Bunkuea and Siriwan Chatmaneerungcharoen	Developing the delivery of a Thai-based Extra-curriculum STEM program: a case study
4.20 – 4.40 p.m.	OR-STEM07	Napaporn Noonkaew and Siriwan Chatmaneerungcharoen	Brining STEM Lessons into Thai Mathematics Classroom
4.40 – 5.00 p.m.	OR-STEM08	Nguyen Thi Thuan and Do Huong Tra	Enhancing scientific literacy in teaching – research the case of teaching the topic water in life
5.00 – 5.20 p.m.	OR-STEM09	Siriwan Chatmaneerungcharoen	Improving Thai Science Teachers' TPACK through an Innovative Continuing Professional Development Program
5.20 – 5.40 p.m.	OR-STEM10	Ngô Vũ Thu Hằng, Astrid M. W. Bulte and Albert Pilot	Implementation of a primary science curriculum designed in accordance with a social constructivist approach for vietnamese confucian heritage culture
5.40 – 6.00 p.m.	OR-STEM50	Natakorn Pramayan and Chokchai Yuenyong	Undergraduate Students' Applying STEM Knowledge in Lego Robotics Problem Solving about the Challenging Task of Collecting the Color Dices
6.00 – 6.20 p.m.	OR-ACERN16	Romy bin Abd Kadir and Nor Aishah bt. Buang	Career Path for Tvet Students Being in Technopreneuer

Date/Time	Room : Ratchaphruek 5 ; Chair: Dr.Chanoknat Chuenmanee		
14 th August 2018	Code	Author	Title
1.40 - 2.00 p.m.	OR-STEM11	Sivaporn Krainara and Siriwan Chatmaneeungcharoen	Building Professional Learning Community Team Endeavors while Creating an Elementary-focused STEM-integrated Lesson Plans
2.00 - 2.20 p.m.	OR-STEM12	Nittayaporn Kinboon	Enhancing Grade 10 students's Achievement and the 21st Century Learning Skills Using Information
2.20 - 2.40 p.m.	OR-STEM13	Nguyen Tien Trung, Trinh Phuong Thao and Tran Trung	Realistic Mathematics Education (RME) and Didactical Situations in Mathematics (DSM) in the context of education reform in Vietnam
2.40 - 3.00 p.m.	OR-STEM14	Benyaphat Muangkhlaew and Chokchai Yuenyong	Developing STEM Education Learning Activities of Constructing the Lamp from Recycle Materials
3.00 - 3.20 p.m.	OR-STEM15	Peempond Phaprom, Jedsada Nachanthong, Aroonrat Nachanthong and Sirichai Srihata	Promoting problem solving and thinking competencies for the middle school students using STEM activities in the Moderate Class, More Knowledge project
3.20 – 3.30 p.m.	Coffee break		
4.00 – 4.20 p.m.	OR-STEM16	Naphaporn Woranetsudathip and Chokchai Yuenyong	The Innovative Lesson Study Learning Activities of “How Many and How Many” for Enhancing Students to Construct Meaning of Mathematical Ideas on Addition through Open Approach
4.20 – 4.40 p.m.	OR-STEM17	Russana Anantasook, Sakanan Anantasook and Chokchai Yuenyong	Developing the Astronomy and Architecture Unit for Providing Students’ Perception of the Relationship between Science, Technology, Engineering, and Mathematics
4.40 – 5.00 p.m.	OR-STEM18	Waewalee Waewchimplee	Employing STEM Learning in an EFL Classroom: Using Literacy Practices
5.00 – 5.20 p.m.	OR-STEM19	Tepporn Lomarak, Buncha Nuansai, Worrawat Promden and Arunrassamee Sangsila	Assessment of In-service Science Teachers’ Teaching Competencies in Integrated STEM Program
5.20 – 5.40 p.m.	OR-STEM20	Anurak Khunwongsa, Sungwien Joraget, Jiraporn Tupsai and Chokchai Yuenyong	Students’ Scientific Explanation on Plastic Surgery
5.40 – 6.00 p.m.	OR-STEM51	Theerasak Siripayak, Wutcharapong Kinboon and Udon Oragun	Probabilities of an Engineer Company Partnership for Supporting Educational Management of STEM Education in School Setting
6.00 – 6.20 p.m.	OR-ACER17	Zarina Kassim	

Date/Time	Convention hall 3 ; Chair: Dr.Boonliang Chordnork		
15 th August 2018	Code	Author	Title
2.00 - 2.20 p.m.	OR-ACERN11	Luluk Mauluah	Javanese Ethnomathematics Analysis as Elementary Mathematics Content in Indonesia
2.20 - 2.40 p.m.	OR-ACERN12	Sasmi Nelwati, Jendriadi and Warlan Sukandar	Practicality and Effectiveness of Integrated Thematic Learning Model Based on Islamic Values in Grade IV Madrasah Ibtidaiyah of Padang city
2.40 - 3.00 p.m.	OR-ACERN13	Jendriadi, Merry Canelia and Riwayati Zein	The influence of paikem gembrot aproach for the skill of writing descriptive for the students grade v in elementary school lambung bukit padang city, Indonesia
3.00 - 3.20 p.m.	OR-ACERN14	Batmang, Fahmi Gunawan, Ros Mayasari and Abdul Kadir	Lecturer's Language Style and Students' Academic Self Efficacy In Higher Education of Indonesia
3.20 – 3.30 p.m.	Coffee break		
3.30 – 3.50 p.m.	OR-STEM29	Boonliang Chordnork and Chokchai Yuenyong	The development of STEM education learning activity supplemented with formative assessment for enhancing students' understanding of force and pressure
3.50 – 4.10 p.m.	OR-STEM30	Thai Quoc Bao, Cao Tien Khoa, Ngo Tuan Ngoc, Nguyen Thi Thu Ha, Vo Quang Hoan, Pham Hong Quang and Chu Viet Ha	Teaching and Learning about Magnetic field and Electromagnetic Induction Phenomena integrated Science, Technology, Engineering and Mathematics (STEM)
4.10 – 4.30 p.m.	OR-STEM31	Nophakun Ngaewkoodrua	Students' Collaborative Learning on the STEM camp as a Way of Enhancing Discussion Skills
4.30 – 4.50 p.m.	OR-STEM36	Kim Visa, Douch Makara and Thy Savrin	Challenges of implementing Lesson Study in Cambodia: Mathematics and Science Teaching by using Lesson Study at Happy Chandara School
4.50 – 5.10 p.m.	OR-STEM37	Hadi Suwono, Rifka Fachrunnisa and Linda Hapsari	Learner's belief and interest towards stem: an outlook on the gender differentiation in STEM field
5.10 – 5.30 p.m.	OR-STEM38	Supaporn Sutin	STEM Learning of Freshwater fish at the Khaoluang National Park, Thailand

Date/Time	Room : Ratchaphruek 4 ; Chair: Chontawat meedee		
15 th August 2018	Code	Author	Title
2.00 - 2.20 p.m.	OR-STEM21	Chanoknat Chuenmanee	Nampong Racing: Designing STEM Activity for Primary Science
2.20 - 2.40 p.m.	OR-STEM22	Worakanya Kaewklom, Pinit Khumwong and Chanyah Dahsah	Opinions of Primary Science Teachers on 4C3RA+ Guidelines to Design STEM Lesson Plans
2.40 – 3.00 p.m.	OR-STEM23	Do Vu Son	Online training in regular fostering of social sciences for high school teachers to meet education innovation in Vietnam towards the development of cross-culture teachers
3.00 - 3.20 p.m.	OR-STEM24	Suphanat Setthaphongsakorn and Chokchai Yuenyong	STEM Education Learning Activities of Inquiring from Context: Issue of Reducing Accidents in the Road Intersection
3.20 – 3.30 p.m.	Coffee break		
3.30 – 3.50 p.m.	OR-STEM32	Chayanit Lahnwong, Jiraporn Tupsai and Chokchai Yuenyong	Develop framework for interpretation of students Reading Literacy in Teaching and Learning through Open Approach
3.50 – 4.10 p.m.	OR-STEM33	Pornchai Jedaman, Kanokwan Baochanya, Watchara Khongsankham Kantinan Amgtesak and Cherdchai Polkul	Analyze and Causal Factor the 21st Century Leadership 4.0 of Science Educational for Sustainable
4.10 – 4.30 p.m.	OR-STEM39	Udom Tipparach	The design of STEM Education lessons on undergraduate Statistical Mechanics
4.30 – 4.50 p.m.	OR-STEM40	Wanintorn Supap	Pre-Service Mathematics Teachers' Perspectives on STEM-based Learning Activities
4.50 – 5.10 p.m.	OR-STEM41	Narongsak Kodtharin and Udom Tipparach	A STEM Education project for training graduate students for STEM workforce
5.10 – 5.30 p.m.	OR-STEM42	Nguyen Thanh Mai and Pham Huong Giang	The development of geography teacher training curriculum at Thai Nguyen university of education in Vietnam to meet the requirements in the new context
5.30 – 5.50 p.m.	OR-STEM43	Nguyen Quang Linh, Nguyen Mau Duc and Chokchai Yuenyong	Developing critical thinking of students through STEM educational orientation program in Vietnam

Date/Time	Room : Ratchaphruek 5 ; Chair: Dr. My Linh On Thi		
15 th August 2018	Code	Author	Title
2.00 - 2.20 p.m.	OR-STEM25	Punyaphat Chaiwongsa, Nittayaporn Kinboon and Nessara Yanasarn	STEM - Play, Learn and Work: STEM Education in Academic Club Based on Community and Local Products to Improve a Positive Attitude towards STEM
2.20 - 2.40 p.m.	OR-STEM26	Kobwit Piriyawat	The professional development of teachers' ability to design STEM activities Using Context based Learning. Case study: A secondary school in Rayong province
2.40 - 3.00 p.m.	OR-STEM27	Chuanchuen Malila, Weeradet Xata, Sawitree Xata, Jurarat Kaewhanam, Raccoon Sripet and Chokchai Yuenyong	Policy and Leadership for Improving STEM Education in Thailand Northeastern Schools
3.00 - 3.20 p.m.	OR-STEM28	Cao Thi Hao, Nguyen Thi Bich and Nguyen Thi Hai Anh	Introducing the process of developing open education program for universities of information technology (in vietnam)
3.20 – 3.30 p.m.	Coffee break		
3.30 – 3.50 p.m.	OR-STEM34	Bien Van Nguyen, Quy Xuan Duong, Trinh-Ba Tran	Various methods of tracking and investigating motions in STEM activities
3.50 – 4.10 p.m.	OR-STEM35	Prapaporn Udomsiang	Students' Vocabulary Enhancement through Storytelling
4.10 – 4.30 p.m.	OR-STEM44	Ha Thi Thuy and Hoang Dieu Thuy	STEM education in non-formal learning institutions in ethnic minority and mountainous areas: a look from ha giang city's community learning centre (Vietnam)
4.30 – 4.50 p.m.	OR-STEM45	Suparat Chuechote, Artorn Nokkaew, Aurupong Kodee	Embedding Social Awareness through Urban Planning, a Community-Based STEM Activity
4.50 – 5.10 p.m.	OR-STEM46	Pariyaporn Paripunna , Chompoonuch Luangrattanavimon, Paweena sutjarit and Khamkhing Bour	Natural color indicator : science learning for early childhood development
5.10 – 5.30 p.m.	OR-STEM47	Tuong Duy Hai	Study to propose an approach aimed at developing skills of STEM education practice in the initial training of teachers of physical science
5.30 – 5.50 p.m.	OR-STEM48	Thu K. T. Tran	Compose the topic of integration to foster the competency of integrating natural science knowledge for students of Can Tho University's Physics Pedagogy with Webquest _method