



KMUTNB

King Mongkut's University of Technology North Bangkok

- Prime Minister's Award 2001 for the Best Academic Management and Development of Thai Universities
- Outstanding University President of Thailand Award 2001-2002
- H.M. The King's Award 2007 for the Best Organization in Science and Technology in Thailand
- Six World RoboCup Rescue Championships: 2006, 2007, 2009, 2010, 2011 and 2013

University of Creative Invention to Innovation

Tentative schedule for delegates from GIZ Laos and MoES November, 23 – 24 2017

Date	Time	Details	Places
Thursday 23 Nov 60	08.00 – 08.30	Registration	<i>Benjarat Hall, Navamindra Rajini Building</i>
	08.30 – 09.25	Opening ceremony 1. NCTechEd10 and ICTechEd5 2. MOU between KMUTNB: FTE, BID and MoES	<i>Benjarat Hall, Navamindra Rajini Building</i>
	09.25 – 10.00	Certificate presentation " <i>Thai-German Highly Skilled Technical Trainer Development training</i> " and International Conference by His Excellency Dr. h.c. Peter Prügel Ambassador of the Federal Republic of Germany to the Kingdom of Thailand	<i>Benjarat Hall, Navamindra Rajini Building</i>
	10.00 – 10.20	Special presentation on " <i>The Role of Engineering Educators in Industry 4.0 Era</i> " by Prof. Dr. paed. habil. Hanno Hortsch Dresden University of Technology, Germany	<i>Benjarat Hall, Navamindra Rajini Building</i>
	10.20 – 10.30	Awards & Sponsor Recognition	<i>Benjarat Hall, Navamindra Rajini Building</i>
	10.30 – 12.15	Special presentation & discussion on "Engineering and Technical Education for Sufficiency Economy" 1) Dr. Suthep Chitayawong, Secretary-General at the Office of the Vocational Education Commission (or representative) 2) Mr. Alongkorn Pollabut, Deputy Chairman of the National Reform Steering Assembly (NRSA) 3) Asst. Prof. Dr.Panarit Sethakul, Former dean of FTE 4) Prof. Dr. Panich Voottipruex, Civil Engineering Professional (moderator)	<i>Benjarat Hall, Navamindra Rajini Building</i>
	10.30 – 12.00	Special seminar on " <i>Perspective of Dual System (Vocational / Higher Education) in Germany</i> " by 1) Prof. Dr. paed. habil. Hanno Hortsch 2) Dr. phil. Steffen Kersten Dresden University of Technology, Germany	<i>Ratchapruerk Room, Navamindra Rajini Building (for Dawei's participants)</i>
	12.00 – 13.30	Lunch hosted by FTE, KMUTNB	<i>1st floor, President Office Building</i>
	14.00 – 15.30	NCTechEd10/ICTechEd5 Papers presentation	<i>FTE Building</i>
	15.30 – 15.45	Coffee Break	<i>FTE Building</i>
	15.45 – 17.00	NCTechEd10/ICTechEd5 Papers presentation	<i>FTE Building</i>
	17.00 – 20.00	Dinner hosted by FTE, KMUTNB	
	Friday 24 Nov 60	08.00	Pick up from the hotel's lobby
09.00 – 10.30		Visiting the Faculty of Technical Education, KMUTNB; Classrooms, laboratories, as well as key research facilities.	<i>FTE Building</i>
10.30 – 12.00		Meeting with 10 GIZ Laos Scholarship Master's students	<i>FTE Building</i>
12.00 – 13.30		Lunch hosted by FTE, KMUTNB	<i>FTE Building</i>
14.00		Depart for Airport	

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ICTechEd 2017 Conference Session Schedule

Section # 1 : November 23, 2017 : 1 PM- 4.30 PM, (Benjarat Hall, NavamindraRajini Building, KMUTNB) Chair: Assoc.Prof.Dr. Prachyanun Nilsook/ Asst.Prof.Dr.Panita Wannapiroon

List	Time	Paper's Title	Author's Name	Country
1	1:00 PM - 1:15 PM	P002_Exploring The Achievements of Micro-Teaching Series on A TPACK-Integrated MIAP Instructional Approach for Vocational Pre-Service Teachers in Thailand	Ornanong Wiriyaruknakorn, Ekkamol Boonyapalanant and Poolsak Koseeyaporn	Thailand
2	1:15 PM - 1:30 PM	P003_The Remote Laboratory Development for 21st Century Education: Case Study in Speed and Position Control DC Motor with PID	Arkhom Luksanasakul	Thailand
3	1:30 PM - 1:45 PM	P004_Information system for learning media management with participation via social media channel	Wichan Thumthong	Thailand
4	1:45 PM - 2:00 PM	P007_The Construction and the Evaluation of Efficiency of the Instruction on the Topic Heat Treatment of Steels	Varinthorn Huyrari	Thailand
5	2:00 PM - 2:15 PM	P010_The implementation of Academic Service under Vocational Education Institute of Bangkok	Chantana POTIKRUPRASERT , Pariyaporn TUNGKUNANAN,Siripan CHOOMNOOM	Thailand
	2:15 PM - 2:30 PM	Coffee Break		
6	2:30 PM - 2:45 PM	P011_A Confirmatory Factor Analysis of a Model for Creative Academic Administration for Early Childhood Level of Schools under the Office of the Basic Education Commission in Thailand	Luckana Pengruck , Kanchana Boonphak, Boonchan Sisan	Thailand
7	2:45 PM - 3:00 PM	P012_The monitoring model in dual vocational management systems of colleges under the Office of Vocational Education Commission in Thailand	Sugunya Suksatan, Pariyaporn Tungkunanant, and Siripan Choomnom	Thailand
8	3:00 PM - 3:15 PM	P016_A Training Program for Enhancing Organizational Commitment of Autonomous University Personnel	Taweesak Rooping1 , Khuntarose Sanwong	Thailand
9	3:15 PM - 3:30 PM	P021_Development of Instructional Package on Engineering Materials Testing Laboratory Using MIAP Learning Model for Technological University of Dawei	Aung Pyaye Phyo, Bandit Suksawat	Myanmar
10	3:30 PM - 3:45 PM	P022_The Development of E-learning Course for Theory of Structure I by MIAP Teaching Method	Swe Sin Soe, Sakda Katawaethwarag , and Sayam Kamkhuntod	Myanmar
11	3:45 PM - 4:00 PM	P023_Development of E-learning Course for Engineering Mechanics by MIAP Teaching Method	Tin Zar Lat, Sakda Katawaethwarag and Sayam Kamkhuntod	Myanmar
12	4:15 PM - 4:30 PM	P025_Development of Instructional Package on Engineering Mechanics Laboratory Using MIAP Learning Model for Technological University of Dawei	Su Mon Shwe, Anan Suebsomran	Myanmar

Day 1 (November 23, 2017 : 1 PM- 4.30 PM)

EDUCATION

Section # 2 : November 23, 2017 : 1 PM- 4.45 PM, (Room 208, Building 52 Faculty of Technical Education, KMUTNB) Chair: Assoc.Prof.Dr. Anan Suebsomran/ Dr.Kittisak Phaebuga

List	Time	Paper's Title	Author's Name	Country
1	1:00 PM - 1:15 PM	P006_Development of Simulation Program on Electromagnetic Wave Propagation	Warinee Weerasin and Somsak Akatimagool	Thailand
2	1:15 PM - 1:30 PM	P008_Use of Coal Bottom Ash as Stabilizer Options in Soil Stabilization	Naphol Yoobanpot and Pitthaya Jamsawang	Thailand
3	1:30 PM - 1:45 PM	P009_Skateboard for Arm Movement Rehabilitation	Kravee Anontree and Sompong Kaewwang	Thailand
4	1:45 PM - 2:00 PM	P015_A Case Study of Frequency Fluctuation Caused by Fault on MEA's System	Phanuphon Siriwitayathanakun and Pichet Sriyanyong	Thailand
5	2:00 PM - 2:15 PM	P017_Design of Simple Hydraulic System in Hydraulic Prosthetic Knee	J. Manui, C. Virulsri and P. Tangpornprasert	Thailand
	2:15 PM - 2:30 PM	Coffee Break		
6	2:30 PM - 2:45 PM	P018_Design and Evaluation of ESR Prosthetic Foot with High Energy Storage	D. Buttongkum, P. Tangpornprasert and C. Virulsri	Thailand
7	2:45 PM - 3:00 PM	P019_Design of Locking Mechanism on Acetabular	Tanachat Tanakompipattanakul, Pairat Tangpornprasert, Chanyaphan Virulsri	Thailand
8	3:00 PM - 3:15 PM	P020_The Experimental Set for 3-Phase Induction Motor Drives by Using Modern 32-bits Microcontroller	Ye Win Naing, Phatiphat Thounthong, and Panarit Sethakul	Myanmar
9	3:15 PM - 3:30 PM	P024_Remote Access Digital Combination Circuit Experiment Set Based on FPGA Using IC Package Simulation	Kaung Myat Naing, Panee Noiying and Narissorn Sangkanong	Myanmar
10	3:30 PM - 3:45 PM	P026_The Development of Teaching Package for Power System Engineering	Ei Su Hlaing and Pichet Sriyanyong	Myanmar
11	3:45 PM - 4:00 PM	P027_Active Learning Laboratory on Antenna and Microwave Filter Design for Microwave Engineering Course in Technological University (DAWEI)	May Sandar Moe, Kittisak Phaebuga and Titipong Lertwiryaprapa	Myanmar
12	4:15 PM - 4:30 PM	P013_The STEM Learning Process using REPEA Model for Transmission Line Engineering Course	K. Klinbumrung, R. Jeenawong and S. Akatimagool	Thailand
13	4:30 PM - 4:45 PM	P014_How to using the DAPOA Project-Based Learning Model for Sensor Devices and Its Applications	Pichit Uantrai and Somsak Akatimagool	Thailand

Day 1 November 23, 2017 : 1 PM- 4.45 PM)

ENGINEERING