Programs and Abstracts

EDUCATIONAL RESEARCH EXCHANGE JOINT SYMPOSIUM

December 13-14, 2007
Chiang Mai University,
Chiang Mai, Thailand

Edited by
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and Research & International Relations Section,
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Educational Research Exchange Joint Symposium Time Table

	Dec.12(Wed)	Dec.13(Thu)	Dec.14(Fri)	Dec.15(Sat)
8:00	Arrive to Chiang Mai	8:00 – 9:15 Registration & Opening Ceremony	8:00 Leave from Hotel	Departure to Airport
			8:30 Leave from Hostel	
9:00		9:15-10:45 Session 1.1	9:00-9:45 Lab Tour at Fac. of Science	
10:00		11:45-11:00 Refreshment	10:00-10:45 Lab Tour at Fac.of Engineering	
11:00		11:00-12.:30 Session 1.2	11:00-11:45 Lab Tour at Fac. of Agriculture	
12:00			12:00-13:00 Lunch at UNISERV	
13:00		12:30-13:45 Lunch & Poster Preparation	13:00-15:15 Session 2.1	
14:00		13:45-15:00 Session 1.3		
15:00		15:00-15:30 Refreshment		
		15:30-16:30 Session 1.4	15:15-15:45 Refreshment	
16:00			15:45-17:00 CMU-KU International Exchange (Panel Discussion) Session 2.2	
17:00		16:30-18:00 Intermission		
18:00		18:00-20:00 Poster Session	17:30-21:00 Closing Ceremony at Amari Hotel	
19:00				
20:00		20:00-22:00 Cocktail Party at UNISERV	21:00 Leave for Hotel & Hostel	
21:00				

Oral Presentation

Thursday 13th December, 2007

9.15 a.m.-10.45a.m. Session 1.1	**Chair Person:**		**Assoc.Prof.Dr. Prachya Kongtawelert/ CMU**		
	1.1.1	KU	Mr. Arif- Ul- Hasan	Phylogeography and dispersion pattern of Anopheles farauti senso stricto mosquitoes in Melanesia	Medicine and Agriculture
	1.1.2	CMU	Prof. Dr. Saisamorn Lumyong	Induction of Xylanase Production in Thermophillic Fungus *Thermoascus Aurantiacus* SL16W	Medicine and Agriculture
	1.1.3	KU	Assoc.Prof.Dr. Ikuko Tsukamoto	Physiological Activites of Rare Sugars. 1.Basic Research	Medicine and Agriculture
	1.1.4	KU	Prof.Dr.Masaaki Tokuda	Physiological activities of rare sugars:Applicative research	Medicine and Agriculture
	1.1.5	KU	Assoc.Prof.Dr.Goro Takata	Cloning and expression of thermostable enzyme genes from Bacillus pallidus and their applications for rare sugar production	Medicine and Agriculture
	1.1.6	CMU	Assoc. Prof.Dr.Prachya Kongtawelert	A Novel Monoclonal Antibody Against Specific Sulfating Pattern of Chondroitin Sulfate and Its Application in Diagnosis of Diseases	Medicine and Agriculture
11.00 a.m.-12.30p.m. Session 1.2	**Chair Person:**		**Dr.Sureeratna Lakanavichian/ CMU**		
	1.2.1	MU	Asst.Prof. Ryoei Ito	Application of ICT in ATRACT Project	Agriculture
	1.2.2	CMU	Dr. Tanachai Pankasemsuk	Technology Transferred From ATRACT Project to Chiang Mai Food Safety	Agriculture
	1.2.3	MU	Asst Prof.Tomohiro Uchiyama	The Cost Analysis of Agrochemical Usage and the Achievement of the Alternative Technologies in Northern Thailand	Agriculture
	1.2.4	KU	Prof.Dr. Hisashi Kato	Research in rice allelopathy as a reduced agriculture chemical technology	Agriculture
	1.2.5	KU	Prof.Dr. Michio Tanaka	Acclimatization of Phalaenopsis Clone-Plantlets by Using a Low Power Consumption Lighting System (SILHOS) with Hydroponic Cultured System in Temperature-Controlled Chamber	Agriculture
	1.2.7	CMU	Dr.Panida Rattanapitigorn	Immobilized Bifidobacterium Strains and Theirs Survival in Freeze-Drying and Simulated Gastrointestinal conditions	Agriculture

Oral Presentation

Thursday 13th December, 2007

1.45 p.m.-3.00 p.m. Session 1.3	**Chair Person:**		**Dr. Daruni Naphrom/ CMU**		
	1.3.1	CMU	Dr. Daruni Naphrom	Effect of Some Pesticides and Bio-substances on Aphid Number, Fruit Quality and Their Chemical Residue in Tangerine cv. Sai Nam Phung	Agriculture
	1.3.2	KU	Prof.Dr. Kazuya Akimitsu	Molecular Mechanism of Specificity Controlling Susceptibility of Plant Mitochondrial Disease	Agriculture
	1.3.3	KU	Prof.Dr. Shigeru Hayakawa	Natural Antimicrobial Proteins to Control Undesirable Microorganisms in Foods	Agriculture
	1.3.4	KU	Assoc.Prof.Dr. Yukio Yasui	Reproductive biology of predatory mites Macrocheles muscaedomesticae (Macrochelidae) and Parasitus fimetorum (Parasitidae) inhabiting animal-manure as the natural enemies of pest flies	Agriculture
	1.3.5	CMU	Dr. Ampan Bhromsiri	Soil Testing Kit and the Application to Reduce Chemical Fertilizer Usage	Agriculture
3.30 p.m.-4.30 p.m. Session 1.4	**Chair Person:**		**Prof.Dr. Fumikazu Oohira/ KU**		
	1.4.1	KU	Prof.Dr. Fumikazu Oohira	Research Activities on Micro-Nano Technologies in Kagawa University	Science and Engineering
	1.4.2	KU	Prof.Dr. Seiji Hata	Wide Range Nano-level 3-D shape Measurement Using Combination of Multuple Laser Light	Science and Engineering
	1.4.3	KU	Mr.Hideto Yokoi	The Telemedicine Network of Kagawa Prefecture	Science and Engineering
	1.4.4	CMU	Asst. Prof. Suranan Noimanee	Vital-Signs Monitoring System via Wireless Technology	Science and Engineering

Oral Presentation

Friday 14th December, 2007

1.00 p.m.-3.15 p.m Session 2.1	**Chair Person:**		**Assoc.Prof.Dr. Hideyuki Sawada/ KU**		
	2.1.1	CMU	Asst.Prof.Dr. Chayanon Hansapinyo	Analysis of Chloride Diffusion of Reinforced Concrete Marine Structures in Thailand	Science and Engineering
	2.1.2	CMU	Dr. Suwit Saekho	A Fast-kz 3D Tailored RF pulse for Reduced B1 Inhomogeneity	Science and Engineering
	2.1.3	KU	Prof.Dr. Shuxiang Guo	A Noval Type Microrobot for Biomedical Applications	Science and Engineering
	2.1.4	CMU	Asst.Prof.Dr. Jeerayut Chaijaruwanich	Inference of Gene Regulatory Network by Bayesian Network using Metropolis-Hastings Algorithm	Science and Engineering
	2.1.5	CMU	Dr. Orawan Prasartwuth	Invention Sample and Hold Amplifier (SHA) for evaluating the activation failure of nervous system	Science and Engineering
	2.1.6	CMU	Asst. Prof. Dr. Sansanee Auephanwiriyakul	Microcalcification Detection in Mammograms Using Interval Type -2 Fuzzy Logic System	Science and Engineering
	2.1.7	CMU	Assoc.Prof.Dr. Nipon Theera-Umpon	Ionosheric F-Layer Critical Frequency Estimation from Digital Ionogram Analysis	Science and Engineering
	2.1.8	KU	Assoc.Prof.Dr. Hideyuki Sawada	Human Interface Studies for Communication between Human and Systems	Science and Engineering
	2.1.9	KU	Prof.Dr. Manabu Matsushima	Study on Prediction of deteriorated Structure received Chloride induced Damage based on Reliability Theory	Science and Engineering
3.45 p.m.-5.00 p.m Session 2.2	**Panel Discussion**				
	2.2.1	KU	Takeshi Katayama	New International Exchange Plans between Kagawa University (Agriculture) and Chiang Mai University	CMU-KU International Exchange

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Poster Session