## The 5<sup>th</sup> Joint Symposium between CMU and KU 10-12 September, 2014 Chiang Mai University

## 10 September 2014

9.30-10.30 Chair Persons:	Social Sciences and Humanities Ratchaneekorn TONGSOOKDEE, CMU Paul BATTEN, KU
Place:	Meeting room 1, Floor 2, Language Institute
9.30-09.50 9.50-10.10 10.10-10.30	<ul> <li>"Japanese University Students' Knowledge of Communication Strategies in English" <u>Paul Batten</u>, KU</li> <li>"Connecting Dots : Lessons Learned from Collaborative Special Education Among Parents of Students with Special Needs, Teachers, and Communities" <u>Ratchaneekorn Tongsookdee</u>, Soisuda Vittayakorn, CMU</li> <li>"Lesson Study: Its Impact on the Enhancement of a Novice Principal's Skills and Attributes in Instructional Supervision" <u>Ivy Santiago C. Liwa</u>, KU</li> </ul>
9.30–10.30 Chair Persons: Place:	Economics and Business Narumon KIMPAKORN, CMU Ravindra R. RANADE, KU Meeting room 2, Floor 2, Language Institute
9.30-9.50	"Fiscal Sustainability and Fiscal Consolidation" <u>Pisit Leeahtam</u> , CMU
9.50-10.10	"Border Trade Situation in Upper North of Thailand" Boonsawart Prugsiganont, <u>Kemakorn Chaiprasit</u> and Sirirat Sugantha, CMU
10.10-10.30	"Economic Inequality, Envy, Crime and Sustainable Society" <u>Ravindra Ranade</u> , KU
9.30-10.30 Chair Persons:	Hideyuki SAWADA, KU
Place:	Meeting room 3, Floor 2, Language Institute
9.30-9.50	"An Ecologically Sustainable Aquaculture System using Nonaerated and Aerated Filter Together with Duckweed for Water Quality Control" <u>Dhiti Cheochanvit</u> , Thitisan Pomkao and Kittipong Hiranyakam, CMU
9.50-10.10	"Development of a Haptic Device for Tactual Search in Virtual Environment" <u>Shohei Kitano</u> and Hideyuki Sawada, KU
10.10-10.30	"Destruction of Model Light Tar Using Pulsed Gliding Arc Discharge" <u>Akarasan Kunnikar</u> and Nakorn Tippayawong, CMU

9.30-10.30 Chair Persons:	Medicine and Nursing (Neurology and Psychiatry) Siwaporn CHANKRACHANG, CMU Nobuyuki KAWAI, KU
Place:	Meeting room 4, Floor 2, Language Institute
9.30-9.45	"Multimodal Nondrug Therapy on Dementia symptoms in Nursing Home Residents with Degenerative Dementia in Thailand" <u>Chankrachang Siwaporn</u> and Singhanter Sasiwimol, CMU
9.45-10.00	"Traumatic Brain Injury Accelerates Amyloid-βdeposition and Impairs Spatial Learning Ability in Triple-transgenic Model Mouse of Alzheimer's Disease" <u>Nobuyuki Kawai</u> , Yasunori Toyota, Hajime Shishido, Yasushi Kishimoto, Yutaka Kirino and Takashi Tamiya, KU
10.00-10.15	"Clinical Presentation of Seropositive NMO Spectrum Disorders in Maharaj Nakorn Chiang Mai Hospital" <u>Atiwat Soontornpun</u> , Surat Tanprawate and Pakamas Pasogpakdee, CMU
10.15-10.30	"The Depression, Anxiety and Suicidality (DAS) Program among Elderly Thais: Rational, Methodology and Early Results" <u>Nahathai Wongpakaran</u> , Tinakon Wongpakaran, Kanokkwan Eurviriyanukul, Peerasak Lerttrakarnnon, Surin Jiraniramai and DAS Research Group, CMU
09.30-10.30 Chair Persons: Place:	Agriculture Hisashi KATO, KU Meeting room 5, Floor 2, Language Institute
9.30-9.50	"Resistant Starch, <i>in Vitro</i> Starch Digestibility and Glycemic Index of Enzymatic Modified Glutinous Rice Starch" <u>Yuthana Phimolsiripol</u> , Phisit Seesuriyachan, Orapan Sangsee and Pathompong Khamkon, CMU
9.50-10.10	"Allelopathic Active Substances from Thai Medicinal Plants" <u>Hisashi Kato-Noguchi</u> and Piyatida Pukclai, KU
10.10-10.30	"Mutation of <i>Bacillus</i> sp. for Application in Mannooligosaccharides Production from Copra Meal" <u>Chartchai Khanongnuch</u> , Janjira Intathap, Apinun Kanpiengjai and Goro Takata, CMU
10.45-11.25 Chair Persons:	<b>Social Sciences and Humanities</b> Benjang JAISAI DER ARSLANIAN, CMU Yumiko TAKAGI, KU
Place:	Meeting room 1, Floor 2, Language Institute
10.45-11.05	"Strategies for Developing More Positive Perceptions about Learning the Japanese Language" <u>Toru Takamizu,</u> Peter Lutes and Mika Shioi, KU
11.05-11.25	"Developing Food by Using honey as an Ingredient for Health" Jantima Busayarassamee, CMU
11.25-11.45	"Creation of A Sustainable Inter-Cultural Exchange Program - Consideration of the CSU-KU International Program" <u>Yumiko Takagi</u> , KU

10.45–11.45 Chair Persons:	Economics and Business Narumon KIMPAKORN, CMU Ravindra R. RANADE, KU
Place:	Meeting room 2, Floor 2, Language Institute
10.45-11.05	"Examining Relationships among Sustainable Business Practices, Stakeholder Benefits and Happiness, and Sustainability Performance Outcomes: A Thai Model" Worst Winit and Sockan Kantabutra, CML
11.05-11.25	<u>Warat Winit</u> and Sooksan Kantabutra, CMU "Rethinking Strategic Marketing in the Age of Turbulence: An Exploratory Study of Sustainable Marketing from Service-dominant Logic Approach"
11.25-11.45	<u>Theerakiti Navaratana Na Ayudhya,</u> CMU "Gandhism for Conviviality" <u>Kazuya Ishii,</u> KU
10.45–11.25 Chair Persons:	Engineering Nipon Theera-Umpon, CMU
Place:	Hideyuki Sawada, KU Meeting room 3, Floor 2, Language Institute
1 1400:	Meeting room 5, Proor 2, Language institute
10.45-11.05	"Automatic Length Estimation and Counting for Malassezia spp. Using Image Processing Techniques" <u>Chayanin Chomchuen</u> , Nipon Theera-Umpon, Sansanee Auephanwiriyakul and Sirida Youngchim, CMU
11.05-11.25	"A Study on the One Device Systems that Support the Motility Disturbance and Developmental Disability" <u>Eiichi Miyazaki</u> and Satoshi Sakai, KU
10.45–11.45 Chair Persons:	<b>Medicine and Nursing (Neurology and Psychiatry)</b> Takeshi YODA, KU Masaaki TOKUDA, KU
Place:	Meeting room 4, Floor 2, Language Institute
10.45-11.00	"Mental Health Research for Japanese Who are Living in Bangkok, Thailand" <u>Takeshi Yoda</u> , Katsunori Yokoyama, Marie Yoriki, Hiromi Suzuki and Tomohiro Hirao, KU
11.00-11.15	"The Clinical Profile and Genetic Study in Spinocerebellar ataxia type 1 (SCA 1) in Northern Thailand" <u>Surat Tanprawate</u> , Angkana Nudsasarn, Adisak Kittisares, Atiwat Soontornpun, Siwaporn Chankrachang and Kanokporn Oranratanachai, CMU
11.15-11.30	"Effects of Age on the Size and Structure of the Cervical Extensor Muscles: A Preliminary Study" <u>Jenjira Assapun</u> , Suchart Kothan, James M. Elliott and Sureeporn Uthaikhup, CMU
11.30-11.45	"Ultra-rapid PET Measurement for Parametric CBF and CMRO <sub>2</sub> with Sequentially Administrating Dual <sup>15</sup> O-labeled tracers" <u>Nobuyuki Kudomi</u> , Yoshiyuki Hirano, Takuya Hayashi, Hiroshi Watabe, Kazuhito Fukushima, Noboru Teramoto and Hidehiro Iida, KU

10.45-11.05 Chair Persons: Place:	Agriculture Hisashi KATO, KU Meeting room 5, Floor 2, Language Institute
10.45-11.05	"A Singal Transduction for D-allose Effect in Plants Responses" <u>Kazuya Akimitsu</u> , Takeshi Fukumoto, Akihito Kano, Kouhei Ohtani, Megumi Inoue, Kazushi Matsudaira, Ayaka Aki, Susumi Mochizuki, Shigeyuki Tajima, Fumito Kasai, Yutaka Ishida, Akihide Yoshihara and Ken Izumori, KU
13.00-14.40 Chair Persons: Place:	Social Sciences and Humanities Benjang JAISAI DER ARSLANIAN, CMU Toru TERAO, KU Meeting room 1, Floor 2, Language Institute
13.00-13.20	"Community-Based Tourism in Thailand : Social Capital Approach"
13.20-13.40	<u>Benjang Jaisai Der Arslanian</u> and Krith Karnjanakitti, CMU "ENSO and IOD Dynamics and their Impacts on Cholera Epidemics in Rural and Urban Areas in Bangladesh" <u>Toru Terao</u> , Motoki Nagura and Masahiro Hashizume, KU
13.40-14.00	"The Stakeholder Collaboration Network of Conservation Management in Living Heritage site" <u>Piyadech Arkarapotiwong</u> , CMU
14.00-14.20	"Radioactivity in Banded Structure Hokutolite from Tamagawa Hot Spring, Japan" <u>Nobuyuki Sasaki</u> , KU
14.20-14.40	"Media Exposure of Japanese Elderly in Chiang Mai during the Crisis" <u>Nataya Tananone</u> , Saranya Kongjit and Pailinpat Sutthipan, CMU
	Economics and Business Narumon KIMPAKORN, CMU Ravindra R. RANADE, KU
Place:	Meeting room 2, Floor 2, Language Institute
13.00-13.20	"Tourism and Politics in Japan" <u>Mutsuo Oga</u> , KU
13.20-13.40	"Why Do Managers Engage in Green Tourism in Japan?" <u>Naoyuki Hara,</u> KU
13.40-14.00	"Granger's Non-causality and the Wald Test of One-way Effect" Feng Yao, KU
14.00-14.20	"Asian Agriculture Growth Strategy for Abenomics" <u>Nobutaka Ito</u> , CMU

13.00-14.40 Chair Persons: Place:	<b>Engineering</b> Nipon THEERA-UMPON, CMU Hideyuki SAWADA, KU Meeting room 3, Floor 2, Language Institute
13.00-13.20	"Interaction with Autonomous Mobile Robot by Body Gesture"
13.20-13.40	<u>Hiroki Taomoto</u> and Hideyuki Sawada, KU "Characterization of Chemical Compositions Bounded on PM <sub>10</sub> during Haze Episode in Atmosphere of Chiang Mai Area" <u>Khajornsak Sopajaree</u> , CMU
13.40-14.00	"Misconception of Convection and Heat Transfer" <u>Naoshi Takahashi</u> , Miyuki Ohura, Takaaki Aoki, Toru Terao and Masazumi Mori, KU
14.00-14.20	"Optimal Allocation of Multi-type FACTS Components for Available Transfer Capability Enhancement and Power Loss Reduction Using Hybrid Evolutionary Algorithm <u>Peerapol Jirapong</u> and Suttichai Premrudeepreechacharn, CMU
14.20-14.40	"Low Cost Test Bed for Identifying Radio Control Motor/ Propeller Thrust Force and Drag Moment" <u>Mana Saedan</u> and Pinyo Puangmali, CMU
13.00–14.15 Chair Persons: Place:	Medicine and Nursing (Nursing Research) Kimie TANIMOTO, KU Phanida JUNTASOPEEPUN, CMU Meeting room 4, Floor 2, Language Institute
13.00-13.15	"Blood Flow Changes in the Frontal Cortex of Infants" <u>Kimie Tanimoto</u> , Ikuko Kato,Takashi Kusaka, Tomoko Nishida, Etsuko Arai and Susumu Itoh, KU
13.15-13.30	"Outcome of Intravenous Recombinant Tissue Plasminogen Activator (rt-PA) on Ischemic Stroke in Chiang Mai University Hospital" <u>Rujee Rattanasathien</u> , CMU
13.30-13.45	"The Experiences of Parents Whose Children have Trisomy 18." <u>Mayu Suzuki</u> , Sanae Hasui, Rumiko Kodama, Chizuru Ishida, Nobuko Morita and Kimie Tanimoto, KU
13.45-14.00	"Experience of Parents Whose Infant have Congenital Heart Disease" <u>Navapun Papana</u> and Pornsiri Jaisom, CMU
14.00-14.15	"Present Situation of Triage at Emergency Department

13.00-14.20 Chair Persons: Place:	Agriculture Darunee Naprom, CMU Meeting room 5, Floor 2, Language Institute
13.00-13.20	"Fruits Characteristics of Decaploid Strawberry Strain VSN0408 Grown for Forcing Culture in Japan" <u>Tomohiro Yanagi,</u> Kornlawat Tantivit and Nobuyuki Okuda, KU
13.20-13.40	"D-Gulose Production form Lactitol by Microbial and Chemical Methods and X-ray Structural Analysis" <u>Kenji Morimoto</u> , Tomohiko Ishii, Seiki Miyake, Akihide Yoshihara and Goro Takata, KU
13.40-14.00	"Inhibitory Effects of Rare Sugar D-altrose and D-gulose Fatty Acid Esters on Plant Growth" Tazul Islam Chowdhury, Madoka Naito, Ryo C. Yanagita, and <u>Yasuhiro Kawanami</u> , KU
14.00-14.20	"Research and Development of Pharmaceuticals and Agrochemicals by Utilizing Bioactive Substances of Plants Produced in South East Asia, and Biomass Utilization of Fast-growing trees" <u>Takeshi Katayama</u> , KU
14.40-16.20 Chair Persons:	<b>Engineering</b> Nipon Theera-Umpon, CMU Hideyuki Sawada, KU
Place:	Meeting room 3, Floor 2, Language Institute
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Place: 14.40-15.00 15.00-15.20	<ul> <li>Meeting room 3, Floor 2, Language Institute</li> <li>"Esterification of High FFA Beef Tallow with Microwave Heating" <u>Pongsakorn Suwannapa</u> and Nakorn Tippayawong, CMU</li> <li>"Electrical Performances of Line Post Insulators in 22 kV Distribution System"</li> </ul>
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15.00–16.15 Chair Persons:	Medicine and Nursing (Rare Sugar and Endocrinology) Natapong KOSACHUNHANUN, CMU Akram HOSSAIN, KU
Place:	Meeting room 4, Floor 2, Language Institute
15.00-15.15	"Effectiveness of the Routine Hepatitis B Vaccination to Infants Born to HBsAg-positive Mothers in Lao PDR." <u>Prapan Jutavijittum</u> , Amnat Yousukh, Phasouk Vongvichit, Bounthome Samountry, Bounnack Saysanasongkham, Tsutomu Masaki and Masaaki Tokuda, CMU
15.15-15.30	"Rare Sugar D-psicose Prevents Progression and Development of Diabetes in T2DM model Otsuka-Long-Evans-Tokushima Fatty Rats" <u>Akram Hossain</u> , Li Sui, Fuminori Yamaguchi, Kazuyo Kamitori, Tetsuyo Iida, Ikuko Tsukamoto and Masaaki Tokuda, KU
15.30-15.45	"Comparison of the Efficacy of Plant Sterol and Soluble Fiber-enriched Soymilk versus Plain Soymilk in Volunteers with Hypercholesterolemia" <u>Supawan Buranapin</u> , Sirakarn Tejavanija, Sanguansak Siangruangsang, Vipawan chantapanich and Natavuth Hengjeerajarus, CMU
15.45-16.00	"Reducing Lower Extremity Amputations Due to Diabetes: The Application of Diabetic-Foot Protocol in Chiang Mai University Hospital" Natapong Kosachunhanun, CMU
16.00-16.15	"Molecular Analysis of D-allose Anti-proliferative Effect for Development of a New Cancer Therapy" <u>Kazuyo Kamitori</u> , Fuminori Yamaguchi, Youyi Dong, Li Sui, Akram Hossain, Ayako Katagi, Chisato Noguchi, Hiroshi Hoshikawa and Masaaki Tokuda, KU
14.30–16.30 Chair Person: Place:	<b>Engineering</b> Wassanai Wattanutchariya, CMU Meeting room 5, Floor 2, Language Institute
14.30-14.50	"Evaluation of Travel Demand Management for Chiang Mai University using 360-Degree Assessment" <u>Preda Pichayapan</u> , Patcharapan Nanthavisit and Nopadon Kronprasert, CMU
14.50-15.10	"Blending of Lignite with Oil Shale for Mae Moh Power Plant" <u>Chairoj Rattanakawin</u> and Panlop Huttagosol, CMU
15.10-15.30	"Non-Nickel Loose Particles Removal Process" <u>Uttapol Smutkupt</u> and Supaluk Kamrungsee, CMU
15.30-15.50	"Appropriate Forming Conditions for Hydroxyapatite-Bioactive Glass Compact Scaffold" Wassanai Wattanutchariya and Jidapah Ruennareenard, CMU
15.50-16.10	"Effects of Fibroin Treatments on the Biochemical and Physical Properties of Chitosan/Hydroxyapatite/ Fibroin Bone Scaffold" Wassanai Wattanutchariya and <u>Kittiya Thunsiri</u> , CMU
16.10-16.30	"Prototype Design and Analysis of Cross 4-bar Linkage Knee Prosthesis for Amputees in Thailand" <u>Nad Siroros</u> , Potsawat Boonjaipet and Sermkiat Jomjunyong, CMU