情報システム研究会

〔委 員 長〕小野俊之（日立製作所）
〔副委員長〕田中哲雄（神奈川工科大学）
〔幹　　事〕岡　宏憲（コーデトーイズ），鮫島正樹（大阪大学）
〔幹事補佐〕森津俊之（日立製作所），佐賀亮介（大阪府立大学）

日　時　平成 24 年 12 月 6 日（木）～平成 24 年 12 月 8 日（土）

場　所　王立プノンペン大学
　　　　（Russian Federation Boulevard, Toul Kork, Phnom Penh, Cambodia.）

議　題　テーマ "The First Asian Conference on Information Systems"

12 月 6 日　13:30-15:30

Session 1: Pattern Recognition
IS-12-056　Adaptive Locally Linear Embedding For Face Hallucination
Metee Thongdee (Rangsit University)
Parinya Sanguansat (Panyapiwat Institute of Management)

IS-12-057　A Music Information Retrieval Using Multiple Classifiers System
Nattha Phiwma, Prisana Mutchima (Suan Dusit Rajabhat University)
Parinya Sanguansat (Panyapiwat Institute of Management)

IS-12-058　Compressive Classifier for Sports Video Classification
Prisana Mutchima, Nattha Phiwma (Suan Dusit Rajabhat University)
Parinya Sanguansat (Panyapiwat Institute of Management)

IS-12-059　A classification model using both frequent patterns and sequential patterns and sequential patterns
Mao NISHIGUCHI, Hiroyuki MORITA (Osaka Prefecture University)

IS-12-060　 Detection of Abnormal Situations Based on Comprehensive Flows
Tatsuya Gibo (Osaka Prefecture University)
Eri Kuzumoto(NEC)
Shigeki Aoki, Takao Miyamoto, Michifumi Yoshioka(Osaka Prefecture University)
IS-12-061　Automatic Extraction of Videos of Interest and Regions of Interest from Images of Surveillance Cameras by Distribution in Comprehensive Flows
Tatsuya Gibo (Osaka Prefecture University)
Eri Kuzumoto(NEC)
Shigeki Aoki, Takao Miyamoto, Michifumi Yoshioka(Osaka Prefecture University)
IS-12-062　An Acceleration and Magnetic Sensor Fusion Technique for Range of Motion Rehabilitation
Pongwat Poomchoompol, Surapa Thiemjarus (Thammasat University)
Ithipan Methasate, Sanparith Marukatat (National Electronics and Computer Technology Center)

Session 2: System Modeling
IS-12-063　TOWARDS AN IT QUALITY MATURITY MODEL
Juan José Sánchez, Eugenio Fernández, Antonio Moratilla(University of Alcalá)
IS-12-064　Service Providers Perceptions of Japans E-Government Services Using the Importance-Performance (IPA) Model
Wong Meng Seng (Nottingham University Business School)

Hideki Nishimoto, Yasuyuki Nishigaki (Ryukoku University)

Stephen Jackson (Southampton University)

IS-12-065   What's my Personal Spam Threshold (PeST)? Towards Spam Filtering as Interactive Experience

Christopher Lueg, Samuel Martin, Andrew Orange, Vishv Malhotra (University of Tasmania)

IS-12-066   Bias Effect on Iterative Spiral Conjoint Analysis

Adrien Vella, Dennis Castel, Hiroshi Tsuji, Ryosuke Saga (Osaka Prefecture University)

IS-12-067   Development of DAQ System for Ultrasonic Test for Defect Detection

N. Wongsuwan, W. Kongprawechnon, R. Sahamitmongkol (Thammasat University)

S. Komolavanij (Panyapiwat Institute of Management)

IS-12-068   ITIL, COBIT and EFQM: How to use them in conjunction

Juan José Sánchez, Eugenio Fernández, Antonio Moratilla(University of Alcalá)

IS-12-069   Stochastic Model of Interest Rate in Microcredit

Pheakdei Mauk (Royal University of Phnom Penh)

Marc Diener (University of Nice Sophia-Antipolis)

Session 3: Service Design, Management and Innovation

IS-12-070   A Recursive Model for Users' Value Co-creation based on Japanese Omotenashi Service

H. M. Belal, Kunio Shirahada, Michitaka Kosaka(Japan Advanced Institute of science and technology)

IS-12-071   A MATHEMATICAL MODEL OF SERVICE VALUE BASED ON A SERVICE FIELD CONCEPT

Minh Chau Doan, Kunio Shirahada, Michitaka Kosaka (Japan Advanced Institute of science and technology)

Jing Wang (Beihang University)

IS-12-072   ERGONOMIC DELIVERY CREW ASSIGNMENT WITH PHYSICAL WORKLOAD BALANCING

Prachya Boonprasurt, Suebsak Nanthavanij (Thammsat University)

IS-12-073   AN ANALYSIS OF INFLUENCE FACTORS FOR HOTELS INNOVATION: THE CASE OF GREATER BANGKOK, THAILAND

Chawalit Jeenanunta, Narissara Visavanont(Thammsat University)

IS-12-074   FACEBOOK AS SOCIAL MEDIA FOR BUSINESS: AN EMPIRICAL STUDY

Apiwan Thamsamisorn, Nattharika Rittippant (Sirindhorn International Institute of Technology)

Session 4: Datamining

IS-12-075   A Study for Analysis of User Behavior in The Free Magazine Website for Women

Hiroki Kanzaki, Shingo Otsuka (Kanagawa Institute of Technology)

IS-12-076   Access Log Analysis for EC Service with PageRank

Tomohiro Koketsu, Hidekazu Yanagimoto, Michifumi Yoshioka (Osaka Prefecture University)

IS-12-077   An Anomaly Detection Method on Web-based System by Certification of Structural Change on Autoregressive Model

Hiroshi Ohno, Masaki Samejima (Osaka University)

Masanori Akiyoshi (Hiroshima Institute of Technology)

Norihisa Komoda (Osaka University)

Matsuki Yoshino (Hitachi, Ltd.)

IS-12-078   DEA evaluation method based on superiority and inferiority degrees

Kazushige Inoue, Ryouta Gejima, Hiroshi Tsuji(Osaka Prefecture University)

Shingo Aoki(Hiroshima Institute of Technology)

Session 5: Knowledge Management and Engineering

IS-12-079 THE DEVELOPMENT OF AN ERGONOMICS OSCILLATION MODEL
Thanwadee Chinda, Chaiwat Manasakunkit, Thanaphat Suethrong, Woraphong Hongpinyo
(Thammasat University)

IS-12-080 An Ontology-based Knowledge as a Service Framework: A Case Study of Developing a User-centered Portal for Home Recovery
Marut Buranarach, Thepchai Supnithi, Passakon Prathombutr(NECTEC)

IS-12-081 Ontologies for Psychiatry: What have been done so far?
Wachiraporn Arunothong (Lampang Hospital, Thailand)
Boontawee Suntisrivaraporn(Thammasat University)

IS-12-082 The Preliminary Observations on a Simulated Environment for Enhancing Foreign Language Conversation Skills
Tunyawat Somjaitaweeporn (Panyapiwat Institute of Management)

Session 6: Software Development Methodology

IS-12-083 Agile Development Approach Based on BPM and SOA for Flexible and Efficient System Development
Michiko Oba, Taku Yamaguchi(Future University Hakodate)

IS-12-084 Matching Exception Class Hierarchies between .NET and Java Environments
Pawel Kaczmarek, Julian Szyma´nski (Gda´nsk University of Technology)

IS-12-085 Stress Level on Global Software Projects using Waterfall and Scrum: A Preliminary Comparison
Christelle Scharff(Pace University)
Samedi Heng(Université catholique de Louvain)
Vidya Kulkarni(University of Delhi)

Session 7: Text Processing

IS-12-086 Consistency Checking System of Numerical Content
Lei Zhang, Lei Shang, Xuan Zhang, Kenji Baba (Hitachi (China) Research & Development Corporation)
Yoji Taniguchi(Hitachi, Ltd.)

IS-12-087 Generation of Hen-ai Map from Search Log for Foreign Language Learning
Youhei Inokuchi, Toshihiko Sakai, Chengjiu Yin, Sachio Hiokawa (Kyushu University)

IS-12-088 Toward Multi-Lingual Knowledge Extraction from Travelers' Reviews
Kiyota Hashimoto(Osaka Prefecture University)
Kazuhiro Takeuchi(Osaka Electro-Communication University)
Makoto Okada(Osaka Prefecture University)
Sachio Hirokawa(Kyushu University)

IS-12-089 Proposal of Directed FACT-Graph Based on Association Rule
Ryosuke Saga(Osaka Prefecture University)

Session 8: Educational Engineering and e-learning

IS-12-090 ADULT LEARNERS' MOTIVATIONS TO ADOPT MOBILE LEARNING
Felix B. Tan (Auckland University of Technology)
Kamarul Faizal Hashim (Universiti Utara Malaysia)
Ammar Rashid (Auckland University of Technology)

IS-12-091 Data Flow Design for Distributed e-Learning Management System
Thongchai Kaewkiriya (Thai Nichi Institute of Technology)
Hiroshi Tsuji (Osaka Prefecture University)

IS-12-092   Prompting Internal Self-conversation Enhances Learning by Discussion to Train Meta-cognitive Skills

Kazuhisa Seta(Osaka Prefecture University)

Cui Liang, Mitsuru Ikeda (Japan Advanced Institute of science and technology)

Masahiko Okamoto, Motohide Umano (Osaka Prefecture University)

IS-12-093   Development of a Motivational Material Using Visual Feedback to Bring Technical College Students Closer to Control Engineering

Rahok SAM ANN (Oyama National College of Technology)

Shigeji OSAWA (Utsunomiya University)

Hirohisa ONEDA (Yuge National College of Maritime Technology)

Takuya MATSUDA, Koichi OZAKI (Utsunomiya University)

Session 9: Information Technology for Service Science

IS-12-094   Development of a Video Field-work Tool for Analyzing Office Work

Youji Kohda(Japan Advanced Institute of science and technology)

Kohei Matsumura(Future University Hakodate)

IS-12-095   An Acronym-based Candidate Generation Technique for Virtual Keyboard on Smartphone: A Preliminary Report

Nirattaya Khamsemanan, Cholwich Nattee (Thammasat University)

IS-12-096   A Fuzzy-Relation Approach for Name-Alias Identification in Thai News Articles

Thawatchai Suwanapong, Thanaruk Theeramunkong, Ekawit Nantajeewarawat (Thammasat University)

IS-12-097   FINDING CURVES'S CONVERGENCE USING DELAUNAY SEARCH

Thomas Bornschlegel (Ludwig Maximilian University of Munich)

Nittaya Muangnak, Pakinee Aimmanee, Stanislav S. Makhanov, Bunyarit Uyyanonvara (Thammasat University)

IS-12-098   Online Traffic Information Retrieving for a Driver using Speech Recognition including Enhancement Methods

Surasak Boonkla, Pakinee Aimmanee(Thammasat University)

Chai Wutiwiwatchai(National Electronics and Computer Technology Center Patumthani)

Hiroaki Kunieda(Tokyo Institute of Technology)

Session 10: Information Technology for Service Science

IS-12-099   SMS Solutions to Improve Students' Life (Case Study at Royal University of Phnom Penh)

Vanra IENG, Chanthong Bormy (Royal University of Phnom Penh)

Christelle Scharff (Pace University)

IS-12-100   TOWARDS A NATIONAL ATLAS - GEO WEB SERVICE

Bormy Chanthong (Royal University of Phnom Penh)

Köbben B.J.Barend, Kraak M.J.Menno-Jan (Univerity of Twente)

IS-12-101   A Novel Precoding Algorithm for MU-MIMO Based Downlink Systems

Puthnith Var(Inha University, Royal University of Phnom Penh)

Robin Shrestha, Jae Moung Kim(Royal University of Phnom Penh)

Jin Hyung Oh(Electronics and Telecommunications Research Institute)

IS-12-102   Wi-Fi Based Room Detection using a Bayesian Network

Krittameth Teachasrisaksakul, Surapa Thiemjarus(Thammasat University)

Poster Session

From Idea to Deployment in Students' Global Software Development Projects: The Case of an Education App for First Grade Pupils in Senegal

Christelle Scharff(Pace University)

Olly Gotel

Vidya Kulkarni(University of Delhi)

Serene Su

Chun Hei Cheung, Abdoulaye Noumounthi Diao, Soda Niang(SenMobile)

Knowledge Creation Process Support for Collaborative Learning Using a Virtualized Server

Naoya Yamasaki, Hiroyuki Kojima(Hiroshima Institute of Technology)

English Words Learning Environment for University Students of Science and Technology by Using a Push-Based e-Learning System

Shimpei Matsumoto, Masanori Akiyoshi (Hiroshima Institute of Technology)

Tomoko Kashima (Kinki University)

Computationally-efficient Gesture and Activity Recognition using Wrist-worn Accelerometer

Akiyoshi Taguchi, Takuya Maekawa(Osaka University)

Behavior Recognition with Environmental Sound: A Perspective for Participatory Sensing Architecture

Kun Zhang, Takuya Maekawa(Osaka University)

Role-based Group Activity Recognition Model for Multiple Mobile Phone Users

Tomoya Hirano, Takuya Maekawa(Osaka University)

Proposal for a management system for a project with uncertainty

Taku Yamaguchi, Michiko Oba, Osamu Takahashi (Future University Hakodate)

High-speed Multiview Video Coding for Embedded System

Kazutaka Takeuchi, Ryusuke Miyamoto, Takao Onoye(Osaka Univeristy)

Development of a Management Function in Farmers Information System to Obtain Skillful Farmers' Knowledge

Tomoko Kashima, Tatsuo Matsutomi (Kinki University)

Shimpei Matsumoto (Hiroshima Institute of Technology)

Hiroshi Iseda (Agricultural Products Distribution Research Institute)

Performance improvement of channel estimation for OFDM baseband transceiver with dynamic subcarrier selection technique

Yuya Iwasaki, Masahide Hatanaka, Takao Onoye (Osaka University)

MODERN ORGANIZATIONAL INFORMATION SYSTEMS: DISTRIBUTED AND ANALYTIC ORIENTATION

Peter Géczy, Noriaki Izumi, Shotaro Akaho, Kôiti Hasida(National Institute of Advanced Industrial Science and Technology)

FROM CLINICAL TO GENOMICS DATA IN HEPATITIS STUDY

Tu Bao Ho(Japan Advanced Institute of Science and Technology)

Katsuhiko Takabayashi, Tatsuo Kanda(Chiba University Hospital)

Saori Kawasaki, Le Thi Nhan, Bui Ngoc Thang(Japan Advanced Institute of Science and Technology)

Toward Authorship Detection based on Datamining

Seiko Takamizawa, Hiroshi Sugimura, Masaki Fujisawa, Kazunori Matsumoto(Kanagawa Institute of Technology)

Finding No Over-fitting Variables for Predicting Nurse-call Contents

Katsuya Shimabukuro, Yukie Majima(Osaka Prefecture University)

Sentiment Analysis of Questionnaire Survey to Improve OJT in Agricultural High Schools in Japan

Makoto Okada (Osaka Prefecture University)

Teruo Akai (Tokushima Chamber of Agriculture)

Kiyota Hashimoto (Osaka Prefecture University)

Joint Angles Based Gait Analysis for Human Identification by Using Kinect

Satoshi YOSHIDA and Masao IZUMI(Osaka Prefecture University)

Survey on the Use of ICT Tools for Dementia Care of Elderly People — Analysis through from Ichushi and PubMed —

Miwa YAMAMOTO, Shizue MIZUNO (Kyoto Koka Women's University)

Yasuko MAEKAWA, Tomoharu NAKASHIMA (Osaka Prefecture University)

A Khmer Optical Character Recognition Based on Rotation Invariant of Fourier Descriptors

Vourchteang Sea, Sakey Saly, Marry Kong(Royal University of Phnom Penh)

A STUDY ON SVM-BASED HAND WRITEN KHMER CHARACTER RECOGNITION SYSTEM

Sokphal Ly, Nguonly Taing (Royal University of Phnom Penh)

Online Handwriting Khmer Character Recognition Using HMM-based Sequence Classification

Ratanak Chan, Nguonly Taing (Royal University of Phnom Penh)

Khmer Unicode Text Segmentation Using Maximal Matching

Chanveasna Pen, Nguonly Taing(Royal University of Phnom Penh)

Trace Order and Normalized Orientation Preprocessing Technique for Independent Writer in Online Khmer Handwriting Recognition

Sokheng Sam, Nguonly Taing (Royal University of Phnom Penh)

A Combined Edge Detection and Template Matching for Khmer Printed Character-set Recognition

Setha Iech, Nguonly Taing (Royal University of Phnom Penh)

Agent-based Learning Framework for Enhancing the Study on Logical Thinking of Business Management

Masanori Akiyoshi(Hiroshima Institute of Technology)

AUTOMATION SYSTEM FOR SCHOLARSHIP ALLOCATION FOR MINISTRY OF EDUCATION, YOUTH AND SPORT OF CAMBODIA

Chandarong Nuon, Channak Chhon, Saovorak Khoy, Vila Srun, Des Phal (Royal University of Phnom Penh)

INTERACTIVE VIRTUAL MUSEUM OF CAMBODIA BASED ON 3D ARCHITECTURAL MODEL

Sopheak Han(Royal University of Phnom Penh)

Pheakdey Nguonphan(Heidelberg University)

Sopagna Veng(Royal University of Fine Arts)

The Adoption of Private Cloud Computing for University: A Case Study of Eucalyptus at Royal University of Phnom Penh

Chamnan Keo, Bunna Kal, Vourchteang Sea, Marry Kong(Royal University of Phnom Penh)

Short paper

IS-12-103   A Methodology for Software Development Support based on Service Value Co-creation

Noriko Wada, Michitaka Kosaka(Japan Advanced Institute of Science and Technology)

IS-12-104   The Evaluation Framework of Trade Facilitation for Cross Border in East-West Economic Corridor

Nitipon Tansakul, Suthathip Suanmali, Veeris Ammarapala(Thammasat University)

IS-12-105   Unit Commitment In Power Operation Planning and Co_2 Emission Constraints Consideration

Nuchjarin Intalar, Apirath Phusittrakool, Chawalit Jeenanunta (Thammasat University)

IS-12-106   MULTIMEDIA SERVICES FOR KRABI-KRABONG LEARNING

Datchakorn Tancharoen(Panyapiwat Institute of Management)

IS-12-107   A Preliminary Report on Applying Density Function for Positive and Unlabeled Learning on Text Categorization

Cholwich Nattee, Nirattaya Khamsemanan (Thammasat University)

Masayuki Numao (Osaka University)

IS-12-108   A Framework to Determine the Relationship between Skid Resistance Number and the Number of Accidents A Case Study on Thailand's Expressway

Anuwat Yamgosum, Veeris Ammarapala, Suthathip Suanmali (Thammasat University)

Session 11: Image Processing

IS-12-109   EASY TO CUT PAPERCRAFT BASED ON CUBE ARRANGEMENT SHAPE

Vasutan Tunbunheng (Panyapiwat Institute of Management)

IS-12-110   Accurate Visual Stimulus Presentation Software for EEG experiments

Malypoeur Plong(GROUP T – Leuven Engineering College, Royal University of Phnom Penh)

Kai Shenbx(GROUP T – Leuven Engineering College)

Marijn Van Vliet, Arne Robben, Marc Van Hulle(KU Leuven)

Luc Geurts(GROUP T – Leuven Engineering College)

IS-12-111   A study on Online Handwriting Recognition for Khmer Consonants Using LipiTk Testbed

Sokphath Ly, Nguonly Taing(Royal University of Phnom Penh)

IS-12-112   Fuzzy Classification Method of Objects Images Documents

Sovila Srun, Des Phal(Royal University of Phnom Penh)

IS-12-113   3D SCANNING FOR VIRTUAL REASSEMBLY OF BANTEAY CHHMAR TEMPLE STONE BLOCKS

Seyha Song(Royal University of Phnom Penh)

Pheakdey Nguonphan (Heidelberg University)

Des Phal (Royal University of Phnom Penh)

Session 12: System Architecture

IS-12-114 Semi-Symmetric Active-Active Storage Controllers for VM Load Balancing Environment ─ Architecture and Performance Evaluation ─
> Naoto Matsunami, Junji Ogawa, Yusuke Nonaka, Yasunori Kaneda, Toshiaki Arai(Hitachi, Ltd.)
> Hiroshi Tsuji(Osaka Prefecture University)

IS-12-115 Improvement of performance and reduction of deduplication backup system using multiple layered architecture
> Mikito Ogata (Hitachi Computer Peripherals Co., Ltd.)
> Norihisa Komoda (Osaka University)

IS-12-116 GENETIC ALGORITHM-BASED SPARSE MATRIX ITERATIVE SOLVERS FOR EFFICIENT SIMULATION PLATFORMS
> Ken Naono (Hitachi Asia Malaysia)
> Nordin Zakaria (Universiti Teknologi PETRONAS)
> Takao Sakurai (Hitachi Ltd.)
> Anindya Jyoti Pal (HUniversiti Teknologi PETRONAS)
> Nobutoshi Sagawa (Hitachi Asia Ltd.)

IS-12-117 SENSOR LOCATION OPTIMIZATION BASED ON CORRELATION ANALYSIS OF THERMAL BEHAVIOR IN CAMPUS GRID ─TOWARD GREENING OF CAMPUS GRID ─
> Jun Okitsu, Ken Naono (Hitachi Asia Malaysia)
> Low Tang Jung, Nordin Zakaria (Universiti Teknologi PETRONAS)

IS-12-118 RESOURCE PUBLIC KEY INFRASTRUCTURE (RPKI) "A TRADE OFF BETWEEN SECURITY AND FREEDOM"
> Ashish Kapahi, Sureswaran Ramadass (Universiti Sains Malaysia)
> Raja Kumar Murugesan (Taylor's University)

Session 13: Enterprise Information Systems

IS-12-119 ICT, Tourism and Poverty Reduction: a case study in the Siem Reap-Angkor region, Cambodia
> Helena Grunfeld, Nara Mao, Terry de Lacy, John Houghton(Victoria University)

IS-12-120 Information Exchange Support System using RFID Tags and Digital Pens
> Hiroyuki Kojima, Tatsufumi Shimizu, Syunsuke Namiki(Hiroshima Institute of Technology)

IS-12-121 Understanding ERP User Perceptions within a Saudi Context: A Case Study
> Hisham Alhirz, A. S. M. Sajeev (The University of New England)

IS-12-122 AN APPLICATION OF DRUG MANAGEMENT INFORMATION SYSTEM: A CASE STUDY OF REPRODUCTIVE AND CHILD EALTH ALLIANCE (RACHA) ORGANIZATION IMPLEMENTATION
> Sornew Ngim, Beanbonyka Rim, Marry Kong(Royal University of Phnom Penh)

IS-12-123 Cooperative Estimation of Distribution Algorithm for Flexible Job Shop Problem with Configurable Machines
> Xinchang Hao, Haowen Lin, Jing Tian, Tomohiro Murata(Waseda University)

◎ 講演時間　１件当り３０分（質疑応答５分を含む）