

**International Conference on  
Applied & Theoretical Information Systems Research  
(ATISR 2012)**

**Summary of Schedule**

**Feb. 10, 2012**

15:30~17:00 Registration

**Feb. 11, 2012**

09:00~ 10:30 Registration

09:00~10:30 Session A1, B1, C1

10:50~12:20 Session A2, B2, C2

12:00~14:00 Lunch (Grand Garden Restaurant)

13:30~15:00 Session A3, B3, C3

15:30~17:00 Session B4, C4

**Feb. 12, 2012**

09:00~10:30 Registration

09:00~10:30 Session A5, B5, C5

10:50~12:20 Session A6, B6, C6

12:00~14:00 Lunch (Grand Garden Restaurant)

13:30~15:00 Session A7, B7, C7

15:30~17:00 Session A8, C8

**Saturday, Feb. 11, 2012**

**Session[A1]**

**09:00~10:30**

**Room 107 (VF)**

**Session Chair: Chi-San Althon Lin**

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**STUDY OF TRABECULAR BONE IN RATS USING IMAGE PROCESSING**

Daniel Jiménez-Mendoza	Universidad Autónoma de Querétaro
Damián Vargas-Vázquez	Universidad Autónoma de Querétaro
Margarita I. Hernández-Urbiola	Centro de Física Aplicada y Tecnología Avanzada (UNAM)
José Gabriel Ríos-Moreno	Universidad Autónoma de Querétaro
Mario Trejo-Perea	Universidad Autónoma de Querétaro

**GENERATIONAL MODULE GENETIC ALGORITHM FOR REAL WORLD SET PARTITIONING PROBLEMS**

Chi-San Althon Lin	BOP Polytechnic
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**FINITE PERSISTING SPHERE GENETIC ALGORITHM TO OPTIMIZE THE MULTI-FLOW RATE MODE SELECTION FOR A PNEUMATIC DISPENSING VALVE SYSTEM**

Karmila Kamil	Universiti Tenaga Nasional
Kok Hen Chong	Universiti Tenaga Nasional
Kim Ho Yeap	Universiti Tenaga Nasional

**FACE LOCALIZATION AND DETECTION BASED ON SYMMETRY DETECTION AND FACE TEXTURE**

Shih-Kuan Liao	National Taichung Institute of Technology
Jyun-An Cai	National Taichung Institute of Technology
Dong-Yan Hong	National Taichung Institute of Technology
Cheng-Ho Wu	National Taichung Institute of Technology
Chung-Horng Lin	National Taichung Institute of Technology

**Saturday, Feb. 11, 2012**

**Session[B1]**

**09:00~10:30**

**Room 108 (VF)**

**Session Chair: Youngkon Lee**

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**EVENT-CENTRIC TEST CASE SCRIPTING METHOD FOR SOA EXECUTION ENVIRONMENT**

Youngkon Lee                      Korea Polytechnic University

**BUSINESS-CONTEXT BASED SLA PARAMETERS FOR SOA MANAGEMENT**

Youngkon Lee                      Korea Polytechnic University

**ARTIFACT-METRIC AUTHENTICATION SYSTEM USING CARBON-NANOTUBE-COMPOSITE PAPERS**

Kazutaka Yamamoto              Yokohama National University  
Yuya Suzuki                      Yokohama National University  
Takahide Oya                      Yokohama National University

**THE MULTI-VIEWPOINT STEREO IMAGE DATABASE**

Soichiro Tokuhisa                Kyushu-university  
Kunihiko Kaneko                Kyushu-university

**EVOLUTIONARY RE-EVALUATION TECHNIQUES FOR COPING WITH NOISY REAL-TIME STRATEGY GAME ENVIRONMENTS**

Siong Huat Ch'Ng                Universiti Malaysia Sabah  
Jason Teo                        Universiti Malaysia Sabah

**PERFORMANCE-CENTRIC BUSINESS PROCESS MANAGEMENT FRAMEWORK FOR REAL-TIME ENTERPRISE**

Kwan Hee Han                    Gyeongsang National University  
Jin Gu Kang                      Autoever Systems Corp.  
Bo Ram Hwang                  Gyeongsang National University

**Saturday, Feb. 11, 2012**

**Session[C1]**

**09:00~10:30**

**Room 109 (VF)**

**Session Chair: Celia Lam**

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**ONLINE IDENTITIES: NATIONAL AND CULTURAL (ETHNIC) EXPRESSION  
ONLINE**

Celia Lam

The University of Notre Dame Australia

**THE ROLE OF TRUST IN ONLINE SHOPPING MALLS: DIFFERENT TYPES  
OF TRUST AND HOW THEY AFFECT CONSUMER INTENTION**

Yong Joon Kim

KAIST

Se Mi Han

KAIST

Euehun Lee

KAIST

**THE ROLE OF PSYCHOLOGICAL BURDEN IN MATURE CONSUMERS TO  
ADOPT THE INTERNET**

Haeyoung Jeong

KAIST

Semi Han

KAIST

Euehun Lee

KAIST

**DETECTING 'ISLANDS' IN GAME MATRICES**

Azlan Iqbal

Universiti Tenaga Nasional

Sinan Mohammad Salih

Universiti Tenaga Nasional

**Saturday, Feb. 11, 2012**

**Session[A2]**

**10:50~12:20**

**Room 107 (VF)**

**Session Chair: Guoqing Yin**

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**ACTIVITY ANALYSIS WITH HIDDEN MARKOV MODEL FOR AMBIENT ASSISTED LIVING**

Guoqing Yin TU Vienna

Dietmar Bruckner TU Vienna

**A STEREO MATCHING ALGORITHM BASED ON ADAPTIVE WINDOW**

Shih-Kuan Liao National Taichung Institute of Technology

Li-Jung Fu National Taichung Institute of Technology

Jr-Wei Chen National Taichung Institute of Technology

Cheng-Hsin Kuo National Taichung Institute of Technology

Kai-Han Teng National Taichung Institute of Technology

**PARALLEL IMAGE DATABASE PROCESSING WITH MAPREDUCE AND PERFORMANCE EVALUATION IN PSEUDO DISTRIBUTED MODE**

Muneto Yamamoto Kyushu University

Kunihiko Kaneko Kyushu University

**THE LOGIC OF CONTRAST IN THE PROBABILISTIC THEORY OF CAUSALITY**

Joonsung Kim Myongji University

**CAN THESE DIFFERENT DISTANCE METRICS REALLY MAKE A DIFFERENCE: AN EXTENDED ABSTRACT**

Tianming Hu Dongguan University of Technology

Yangping Li Dongguan University of Technology

**Saturday, Feb. 11, 2012**

**Session[B2]**

**10:50~12:20**

**Room 108 (VF)**

**Session Chair: Nobuhito Yamamoto**

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**SEMI-AUTOMATIC TEST ASSERTION TRANSFORMATION SCHEME FOR SOA**

Youngkon Lee

Korea Polytechnic University

**THE DUAL COORDINATE 3D TURTLE GRAPHICS AIMED FOR INTERACTIVE EXPERIMENTS**

Nobuhito Yamamoto

University of Tsukuba

Syoko Shiroma

Ehime University

Tomoyuki Nishioka

Tsukuba University of Technology

**SPEECH RECOGNITION FOR MOBILE WEB**

Dongsong Zhang

University of Maryland at Baltimore County

Hsien-Ming Chou

University of Maryland at Baltimore County

Lina Zhou

University of Maryland at Baltimore County

**INTEGRATED VEHICLE MOVEMENT INFORMATION CONTROLLER USING EXTERNAL SENSORS AND IN-VEHICLE NETWORK**

Sung-Hyun Baek

Dong-Eui university

Jong-Wook Jang

Dong-Eui university

**Saturday, Feb. 11, 2012**

**Session[C2]**

**10:50~12:20**

**Room 109 (VF)**

**Session Chair: Chun Sheng Chen**

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**USING ZMET TO EXPLORE THE MENTAL MODEL OF MMORPGS  
PLAYERS**

Tung-Lin Chuang	National Yunlin University of Science & Technology
Ren-Xiang Lin	National Yunlin University of Science & Technology
Kwoting Fang	National Yunlin University of Science & Technology

**FORECAST ON VIDEO GAME CONSOLE: A VIDEO GAME CONSOLE WITH  
FIVE SENSES**

Chun Sheng Chen	Asia University
Hui-Hsia Chen	Asia University

**A STRATEGY OF ENHANCING ONLINE SURVEY DATA QUALITY: A CASE  
STUDY**

Tung-Zong Donald Chang	Metropolitan State College (Denver State)
Nicole Vowles	Metropolitan State College (Denver State)

**MINING TEXTS FOR UNDERSTANDING CUSTOMERS' IMAGE OF BRANDS**

Hyung Jun Ahn	Hongik University
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**TO VIEW OR NOT TO VIEW: EXPLORING THE INFLUENCE OF SOCIAL  
NETWORKS AND SUBJECTIVE NORMS ON ONLINE PORNOGRAPHY  
CONSUMPTION**

Wan-Ying Lin	City University of Hong Kong
Ven-Hwei Lo	Chinese University of Hong Kong
Katrien Jacobs	Chinese University of Hong Kong

**Saturday, Feb. 11, 2012**

**Session[A3]**

**13:30~15:00**

**Room 107 (VF)**

**Session Chair: Łukasz Piątek**

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**SYNTHESIS OF SHAPES IN THE DOMAIN OF MELANOCYTIC SKIN  
LESIONS**

Lukasz Piątek	University of Information Technology and Management
Zdzisław Hippe	University of Information Technology and Management
Jerzy Grzymała-Busse	University of Kansas

**KEYWORD EXTRACTION RULES TO GENERATE A KEYWORD  
DICTIONARY FOR JAPANESE**

Kenji Kawabata	Kyushu University
Kunihiko Kaneko	Kyushu University

**THE MANAGEMENT ON THE ROAD SHAPES DATA USING THE TRIANGLE  
DIVISION**

Yuan Gong	kyuushu university
Kunihiko Kaneko	kyuushu university

**AN APPROXIMATE ALGORITHM FOR COMBINATORIAL DOUBLE  
AUCTIONS**

Fu-Shiung Hsieh	Chaoyang University of Technology
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**Saturday, Feb. 11, 2012**

**Session[B3]**

**13:30~15:00**

**Room 108 (VF)**

**Session Chair: Toshiyuki Maeda**

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**MOBILE HEALTH CARE SUPPORT SYSTEM FOR ANTI-OBESITY**

Toshiyuki Maeda	Hannan University
Yuki Ando	Osaka University
Yae Fukushige	Otaru University of Commerce
Mayumi Yamamoto	Gifu University
Takayuki Asada	Ritsumeikan University

**IMPROVING WEB QUERY CLASSIFICATION BY LATENT TOPIC ANALYSIS**

Cheng-Zen Yang	Yuan Ze University
Bo-Ting Yei	Yuan Ze University
Ing-Xiang Chen	Telcordia Technologies

**INTERNAL FAULT CLASSIFICATION IN TRANSFORMER WINDINGS USING  
COMBINATION OF DISCRETE WAVELET TRANSFORMS AND  
PROBABILISTIC NEURAL NETWORKS**

Chaiyan Jettanasen	King Mongkut's Institute of Technology Ladkrbang
Atthapol Ngaopitakkul	King Mongkut's Institute of Technology Ladkrbang
Pathomthat Chiradeja	Srinakharinwirot University
Chaichan Pothisarn	King Mongkut's Institute of Technology Ladkrbang

**ONE-TO-MANY PRICE TIMESLOT NEGOTIATION MECHANISM FOR A  
CLOUD RESOURCE COALLOCATION TO MULTIPLE PROVIDERS**

Seokho Son	Gwangju Institute of Science and Technology
Kwang Mong Sim	Gwangju Institute of Science and Technology

**ESTIMATION OF SQL INJECTION ATTACKS BASED ON SINGLE  
CHARACTER**

Takeshi Matsuda	Cyber University
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**Saturday, Feb. 11, 2012**

**Session[C3]**

**13:30~15:00**

**Room 109 (VF)**

**Session Chair: Toshiro Minami**

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**IMPROVEMENT IN THE QUALITY OF WELFARE SERVICE AND  
RESEARCH TRENDS ON WELFARE INDUSTRY IN JAPAN**

Ayako Oura                                      Waseda University

Manabu Yamaji                                      Waseda University

Atsushi Ogihara                                      Waseda University

**EXPLORING FACTORS INFLUENCING MANAGEMENT ACCOUNTING  
SYSTEM ADOPTION IN VIETNAM**

Quang Linh Huynh                                      Feng Chia University

David Han-Min Wang                                      Feng Chia University

**INNOVATIONS OF “E-TEACHING TIES” ON LEARNER PERFORMANCE  
AND FACULTY DEVELOPMENT**

Koichi Nakajima                                      Tezukayama University

**ONLINE LEARNING FACILITY FOR ST. BRIDGET COLLEGE**

Esteban Robles                                      St. Bridget College

**Saturday, Feb. 11, 2012**

**Session[B4]**

**15:30~17:00**

**Room 108 (VF)**

**Session Chair: Koichi Harada**

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**AFFORDANCES IN TOUCH BUTTON ON PRODUCT**

Li-Hao Chen                      Department of Applied Arts, Fu Jen Catholic University  
Pei-Jung Cheng                  Department of Media Design, Tatung University

**THE STUDY OF IMPROVING SAAS ADOPTION INTENTION**

Yih-Chearng Shiue              National Central University  
Chih-Wei Chen                  National Central University

**A DECISION TREE INDUCTION BASED RECOMMENDATION METHOD FOR E-COMMERCE**

Tahmina Rahman                Hiroshima University  
Koichi Harada                    Hiroshima university

**PREDICTION OF FAULT LOCATION FOR UNDERGROUND CABLE USING DWT AND BACK-PROPAGATION NEURAL NETWORKS**

Pathomthat Chiradeja            Srinakharinwirot University  
Chaichan Pothisarn              King Mongkut's Institute of Technology Ladkrbang

**Saturday, Feb. 11, 2012**

**Session[C4]**

**15:30~17:00**

**Room 109 (VF)**

**Session Chair: Jiin-Tian Chyou**

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**APPLICATION DEVELOPMENT FOR MOBILE MARKETING**

Jiin-Tian Chyou

National Chengchi University

Cheng-Yi Wu

National Chengchi University

**BOOK PROFILING FROM CIRCULATION RECORDS FOR LIBRARY  
MARKETING -- BEGINNING FROM MANUAL ANALYSIS TOWARD  
SYSTEMATIZATION**

Toshiro Minami

Kyushu University Library

**THE APPLICATION OF MOBILE E-LEARNING IN AN OPEN PLATFORM**

Tzung-I Tang

National Chengchi University

Jiin-Tian Chyou

National Chengchi University

**SIMULATING THE PERFORMANCE OF SMALL-MEDIUM ENTERPRISES IN  
DIFFERENT MARKET CONDITIONS**

Karen Blackmore

University of Newcastle

Keith Nesbitt

School of Design, Communication and IT

**Sunday, Feb. 12, 2012**

**Session[A5]**

**09:00~10:30**

**Room 107 (VF)**

**Session Chair: Jeng-Ming Yih**

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**APPLYING FUZZY CLUSTERING ALGORITHM WITH NORMALIZED  
MAHALANOBIS DISTANCE TO CONSTRUCT KNOWLEDGE STRUCTURE**

Jui-Chiao Tseng	Min-Hwei College of Health Care Management National University of Tainan
Bor-Yaun Twu	National University of Tainan
Jeng-Ming Yih	Min-Hwei College of Health Care Management
Tsai-Nuan Tsai	Huatan Elementary School

**UNCERTAINTY EVALUATION VIA FUZZY ENTROPY FOR MULTIPLE FACTS**

Sanghyuk Lee	Xian Jiaotong-Liverpool University
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**SYSNAVSAILBOAT-INTELLIGENT MARITIME NAVIGATION SYSTEM WITH  
ARTIFICIAL INTELLIGENCE USING MULTIPLE OBJECTIVE  
OPTIMIZATION AND GENETIC ALGORITHMS**

Jose Carlos Bortot	FAAP - Fundacao Armando Alvares Penteado
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**SOLVING UNIVERSITY SCHEDULING PROBLEM WITH A GENETIC  
ALGORITHM**

Saeed Saeedvand	Islamic Azad University
Mortaza Abbaszadeh	Islamic Azad University
Hamid Asbaghi Mayani	Islamic Azad University

**Sunday, Feb. 12, 2012**

**Session[B5]**

**09:00~10:30**

**Room 108 (VF)**

**Session Chair: Uchenna Cyril Eze**

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**HIGHER TRAIT, BUT NOT BEHAVIOURAL IMPULSIVITY IN FIRST-PERSON SHOOTER GAMERS**

Olivia Metcalf                      Australian National University  
Kristen Pammer                     Australian National University

**AWARENESS AND UTILISATION OF MOBILE COMMERCE BY THE YOUTH IN SOUTH AFRICA**

Isa Van Aardt                      Unisa  
Deon Tustin                         Unisa  
Anoinette Basson                 Unisa

**PERCEIVED TRUST AND INTENTION TO USE MOBILE COMMERCE: AN ANALYSIS OF THE MODERATING AND MEDIATING ROLES OF DEMOGRAPHIC FACTORS AND PERCEIVED USEFULNESS**

Uchenna Cyril Eze                 Monash University, Sunway Campus

**MEMBER'S INTENTION TO INTERACT WITH ENTERPRISES IN VIRTUAL COMMUNITIES:A SOCIAL CONTRACT PERSPECTIVE**

Tzung-I Tang                        National Chengchi University  
Yuan-Lung Chou                    Pingtung University of Science and Technology

**ANALYZING VIRTUAL REALITY RESEARCH IN SOCIAL SCIENCE BY BIBLIOMETRIC METHOD**

Tzung-I Tang                        National Chengchi University  
Chien-Hsiang Chou                 National Chengchi University

**Sunday, Feb. 12, 2012**

**Session[C5]**

**09:00~10:30**

**Room 109 (VF)**

**Session Chair: David Lai**

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**DISTANCE EDUCATION PLATFORM FOR EFFECTIVE LEARNING IN  
COMPUTER NETWORKING COURSES**

David Lai                                      University of Southern Queensland  
Vijayakrishnan Venkatakrishnan      University of Southern Queensland  
Yan Li    University of Southern Queensland

**A FEMINIST STUDY OF GENDER AND E-LEARNING**

Alice Lai                                        Empire State College

**THE EFFECT OF COMMUNICATION APPREHENSION ON COLLEGE  
STUDENTS LEARNING**

Ting Lie                                         Yuan Ze University

**COMPUTER-MEDIATED COMMUNICATION FOR HEALTH CARE AND  
SOCIAL SUPPORTS**

Joyce Lee                                      Yuan-Ze University

**Sunday, Feb. 12, 2012**

**Session[A6]**

**10:50~12:20**

**Room 107 (VF)**

**Session Chair: Hisashi Yokota**

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**ADAPTIVE VIDEO SEGMENTATION VIA NON-STATIONARY  
MULTIDIMENSIONAL TIME SERIES ANALYSIS**

Yevgeniy Bodyanskiy	Kharkiv National University of Radioelectronics
Dmitriy Kinoshenko	Kharkiv National University of Radioelectronics
Sergii Mashtalir	Kharkiv National University of Radioelectronics
Olena Mikhnova	Kharkiv National University of Radioelectronics

**AN EFFICIENT FINGERPRINT INDEXING SCHEME USING POTENTIALITY  
OF COREPOINT**

Arjun Reddy	Indian Institute of Technology Kanpur
Umarani Jayaraman	Indian Institute of Technology Kanpur
C. Jinshong Hwang	Texas State University
Phalguni Gupta	Indian Institute of Technology Kanpur

**SYNCHRONOUS TRANSMISSION OF GONG-CHE NOTATION MUSICAL  
SCORE IMAGE AND ITS MIDI INFORMATION USING WATERMARKING  
TECHNOLOGY**

Genfang Chen	Hangzhou Normal University
Baidi Hong	Zhejiang University of Media and Communications
Huajian Cui	Hangzhou Normal University

**DEFORMABLE MODEL USING RADIAL BASIS FUNCTIONS BASED LEVEL  
SET INTERPOLATION WITH AN ELLIPSE CONSTRAINT**

Hoang-Nam Nguyen	National Chiao Tung University
Tai-Yan Kam	National Chiao Tung University
Pi-Ying Cheng	National Chiao Tung University

**CAMERA LOCALIZATION IN MULTI-VIEW MULTI-AGENTS NETWORK**

Rasoul Mohammadi Nasiri	Sharif university of technology
Mona Khajouie Jahromi	Sharif university of technology
Seyed Reza Moghadasi	Sharif university of technology



**Sunday, Feb. 12, 2012**

**Session[B6]**

**10:50~12:20**

**Room 108 (VF)**

**Session Chair: Jianjun Meng**

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**ESTIMATION OF HUMAN ARTERY CONDITION USING MULTIPLE MEMS-ELECTRET CONDENSER MICROPHONES**

Shusaku Nomura	Nagaoka University of Technology
Yasushi Hanasaka	Nagaoka University of Technology
Ryoma Hirota	Nagaoka University of Technology
Yoshimasa Kurosawa	Nagaoka University of Technology
Takashi Ishiguro	TAIYO YUDEN Co., Ltd.
Hiroshi Ogawa	Bifröstec Inc.

**THE APPLICATION AND RESEARCH OF FIELDBUS TECHNOLOGY IN UNMANNED URBAN RAIL VEHICLES CONTROL SYSTEM**

Jianjun Meng	Lanzhou Jiaotong University
Decang Li	Lanzhou Jiaotong University
Yanmei Yang	Lanzhou Jiaotong University
Xiang Wu	Lanzhou Jiaotong University
Xueyan Wang	Lanzhou Jiaotong University

**RESEARCH OF COMPLETENESS AND CONSISTENCY VERIFICATION ON REQUIREMENT MODEL**

Ning Jin	GuiZhou College of Finance and Economics
Yilong Yang	GuiZhou University
Guoyong Duan	GuiZhou University
Jing Yang	GuiZhou University

**A LONGITUDINAL STUDY OF THE GLOBAL AUTOMOTIVE INDUSTRY MEDIA: "TURBO-CHARGED" BY THE USES AND GRATIFICATIONS OF SOCIAL MEDIA 2005-2011**

Clarke Caywood	Northwestern University
Shu-Chuan Chu	DePaul University

**AN EXPLORATORY STUDY OF MOBILE E-COMMERCE TECHNOLOGY SERVICE**

Tzung-I Tang	National Chengchi University
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**Sunday, Feb. 12, 2012**

**Session[C6]**

**10:50~12:20**

**Room 109 (VF)**

**Session Chair: Sundaram Narayanan**

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**INFLUENCING COGNITIVE BEHAVIORAL CHANGES USING A SUITE OF  
CYBER WEAPONS**

Preethi Vinayak Ponangi	Wright State University
Phani Kidambi	Wright State University
Dhananjai Rao	Miami University
Narasimha Edala	Wright State University
Mary Fendley	Wright State University
Michael Haas	Air Force Research Laboratory
S Narayanan	Wright State University

**SOCIAL NETWORKING: INSTIGATOR OF ONLINE VICTIMISATION AMONG  
THE SOUTH AFRICAN YOUTH**

Antoinette Basson	University of South Africa
Goodness Zulu	University of South Africa
Isa Van Aardt	University of South Africa

**IS THE PLACE MATTER? ONLINE STIMULUS AND VIRTUAL SHOPPING**

Echo Huang	National Kaohsiung First University of Science and Technology
Yuting Huang	National Kaohsiung First University of Science and Technology

**CHANNEL CHARACTERISTICS INFLUENCE ON PHYSICAL VS. VIRTUAL  
CHANNEL CHOICE FOR INFORMATION SEARCH AND PURCHASE – THE  
CASE OF POLISH YOUNG CONSUMERS**

Radosław Maćik	Maria Curie-Skłodowska University
Grzegorz Mazurek	Kozminski University
Dorota Maćik	School of Finance and Management, Warsaw

**E-TAILORS IN VIRTUAL COMMUNITIES: A MULTIPLE CASE STUDY**

Zhi-Xian Zhao	Yuan Ze University
Joyce Lee	Yuan Ze University

**Sunday, Feb. 12, 2012**

**Session[A7]**

**13:30~15:00**

**Room 107 (VF)**

**Session Chair: Manas Kamal Bhuyan**

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**INDUCING SUBJECT HEADING SIMILARITY FROM RELATED  
HIERARCHICAL STRUCTURE**

Songrit Maneewongvatana      King Mongkut's University of Technology Thonburi  
Suthathip Maneewongvatana      King Mongkut's University of Technology Thonburi

**A HYBRID BOOK RECOMMENDATION PROTOTYPE BASED ON SEMANTIC  
HIERARCHICAL SIMILARITY MEASUREMENT**

Suthathip Maneewongvatana      King Mongkut's University of Technology Thonburi  
Songrit Maneewongvatana      King Mongkut's University of Technology Thonburi

**ON DEVELOPMENT OF AN ADAPTIVE TUTOR SYSTEM BASED ON  
EDUCATOR'S KNOWLEDGE STRUCTURE MAP**

Hisashi Yokota      Shibaura Institute of Technology

**ENERGY-EFFICIENT TRAINING OF SVM ON MULTICORE PLATFORMS**

Heegon Kim      Korea University  
Sungju Lee      Korea University  
Youngwha Chung      Korea University  
Daihee Park      Korea University  
Hansung Lee      ETRI

**ROBUST PERSON TRACKING FOR INTELLIGENT VISUAL SURVEILLANCE**

Manas Kamal Bhuyan      IIT Guwahati  
C Sasivarnan      M M University

**Sunday, Feb. 12, 2012**

**Session[B7]**

**13:30~15:00**

**Room 108 (VF)**

**Session Chair: Chian-Yi Chao**

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**PROGRAM DERIVATION BY SPECIFICATION**

Chia-Chu Chiang

University of Arkansas at Little Rock

**HYPOTHESES-BASED RECOMMENDATION METHOD FOR SMARTPHONE APPLICATIONS USING SEM**

Natsuki Sano

Osaka University

Masashi Katagiri

NTT DOCOMO

Minoru Etoh

Osaka University

**HUMAN CEREBRAL ACTIVITY AND FLUCTUATION OF HUMAN VOICE**

Kakuichi Shiomi

Electronic Navigation Research Institute

**AN EDUCATIONAL TOOL FOR DESIGNING ANDROID-BASED SMARTPHONE APPLICATIONS BASED ON TECHNICAL AUTHENTICATION**

Chian-Yi Chao

Kao Yuan University

Chiuan-Tsai Chiou

Kao Yuan University

Ching-Ming Hsu

Kao Yuan University

**Sunday, Feb. 12, 2012**

**Session[C7]**

**13:30~15:00**

**Room 109 (VF)**

**Session Chair: Gabriel Cavaglion**

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**THEORETICAL REFLECTIONS ABOUT ‘CEBU: THE DANCING PRISON IN YOUTUBE’**

Gabriel Cavaglion

Ashkelon Academic College

**BULLYING, ADDICTION TO INTERNET AND CONTROL OF INFORMATION: A PREDICTION MODEL OF CYBERBULLYING**

Luis Raya

Universidad de Córdoba

Jose Antonio Casas

University of Cordoba

Rosario Del Rey

University of Seville

Rosario Ortega

University of Cordoba

**CYBERBULLYING: A NEW PHENOMENON AMONGST THE YOUTH IN SOUTH AFRICA**

Goodness Zulu

University of South Africa

Antoinette Basson

University of South Africa

**FLIRTING ON THE INTERNET AND THE HICKEY: A DOUBLE HERMENEUTIC**

Richard Alapack

Norwegian University of Science and Technology

**USE OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) AND THEIR RELATIONSHIP WITH CYBERBULLYING**

Juan Calmaestra

University of Cordoba

Antonio Jesús Rodríguez-Hidalgo

University of Cordoba

Rosario Ortega

University of Cordoba

**Sunday, Feb. 12, 2012**

**Session[A8]**

**15:30~17:00**

**Room 107 (VF)**

**Session Chair: Chunping Li**

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**AUTOMATED DOCUMENT CLASSIFICATION FOR THE SOCIAL SCIENCES  
USING SUPERVISED MACHINE LEARNING: TRADE-OFFS BETWEEN  
RELIABILITY AND EFFICIENCY**

Gerard Breeman                      Wageningen University  
Hans Then                              Pythea

**EFFICIENT PROCESSING OF XML QUERIES USING EXTENDED DEWEY  
LABEL**

Chunping Li                              Tsinghua University  
Dongyang Li                              Tsinghua University  
Yimu Guo                                Changchun University of Science and Technology

**DETECTING AND EXPERIENCING HAPTIC STIMULATION DURING  
AUDITIVE VS. VISUAL AND HIGH VS. LOW COGNITIVE LOAD TASKS**

Kari Kallinen                              Aalto University  
Inger Ekman                                Aalto University  
Niklas Ravaja                              Aalto University

**A MANAGED SECURITY ENVIRONMENT FOR ENTERPRISE IPHONES**

Wes Copeland                              University of Arkansas at Little Rock  
Chia-Chu Chiang                              University of Arkansas at Little Rock

**Sunday, Feb. 12, 2012**

**Session[C8]**

**15:30~17:00**

**Room 109 (VF)**

**Session Chair: Naoya Ito**

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**SOCIAL RESPONSIBILITY AND SHARING BEHAVIORS ONLINE: THE  
TWITTER-SPHERE'S RESPONSE TO THE FUKUSHIMA DISASTER**

Robert Thomson                      Hokkaido University  
Naoya Ito                                Hokkaido University

**LOGGING AND ANALYZING MOBILE USER BEHAVIORS**

Po-Ming Chen                        National Chengchi University  
Hui-Yin Wu                          National Chengchi University  
Chih-Yu Hsu                         National Chengchi University  
Wen-Hung Liao                      National Chengchi University  
Tsai-Yen Li                          National Chengchi University

**ARE SOCIAL GAMES USEFUL FOR SOCIALIZING?: COUNTER-INTUITIVE  
INSIGHT FROM SOCIAL MEDIA USERS**

Changwoo Suh                        KAIST College of Business  
Byungho Park                         KAIST College of Business

**SOCIAL NETWORKING BEHAVIOR IN ISRAELI COMMUNITY PRACTICING  
LEARNING AND INFORMATION TECHNOLOGIES ON TWITTER**

Ina Blau                                Open University of Israel  
Tami Neuthal                         Open University of Israel

## Poster Session

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### **STATISTICAL MECHANICS APPROACH FOR ALGORITHMIC PROCESSING**

Dominik Strzalka                      Rzeszow University of Technology

### **REALISTIC 3D FACE MODELING AND ITS APPLICATION RESEARCH**

Huibai Wang                      North China University of Technology  
Shuqin Li                      North China University of Technology

### **PASSION AND MOTIVATION IN SPANISH USERS OF WORLD OF WARCRAFT**

Andres Chamarro                      Universidad Aut6noma de Barcelona  
Hector Fuster                      Universidad Ram6n Llull  
Frederic Gil                      Universidad Ram6n Llull  
Xavier Carbonell                      Universidad Ram6n Llull  
Ursula Oberst                      Universidad Ram6n Llull

### **AN EMPIRICAL STUDY OF IT GOVERNANCE AMONG MALAYSIAN COMPANIES**

Tan Khong Sin                      Multimedia University

### **A NONLINEAR VISUAL CONTROL METHOD FOR LANE CHANGE OF MOBILE ROBOT**

Shigeru Uchikado                      MIRAI Education Research Center  
Yasuhiro Osa                      Kobe City College of Technology  
Kanya Tanaka                      Yamaguchi University

### **ON SYMBOLIC MUSIC CLASSIFICATION USING WAVELET TRANSFORM**

Gissel Velarde                      Consultant  
Tillman Weyde                      City University London

### **CONDUCTING INTERNET PSYCHOLOGY RESEARCH IN CHILDREN WITH LEARNING DISABILITIES**

Panagiota Dimogiorga                      Aristotle University of Thessaloniki  
Efi Singkollitou                      Aristotle University of Thessaloniki

### **TWO LEVEL GRAMMAR AND THE SEMANTIC WEB**

Eunhye Shin                      Korea university  
Seongbin Park                      Korea university



## **Poster Session**

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### **USING EXTENDED TECHNOLOGY ACCEPTANCE MODEL TO EXAMINE ADOPTION OF DIGITAL CABLE TV AND IPTV IN TAIWAN**

Jyh-Yih Hsu                      National Chung Hsing University  
Yi-Chang Wu                     National Chung Hsing University  
Chih-Ching Chen                National Chung Hsing University

### **USER INTERFACE DESIGN FOR THE INTERACTIVE USE OF ONLINE JOURNALISTIC TEXTS AND ANCIENT “JOURNALISTIC” TEXTS FOR THE INTERNATIONAL PUBLIC**

Christina Alexandris            National University of Athens

### **MULTI-AGENT SYSTEMS SECURITY IN COLLABORATIVE E-COMMERCE**

Ijaz Qureshi                      Iqra University Islamabad  
Khola Ilyas                        Iqra University Islamabad  
Shakeel Iqbal                      Iqra University Islamabad  
Robina Yasmin                    Iqra University Islamabad