

## ICEBE 2009 Program

| Program at a Glance |   |   |  |  |  |
|---------------------|---|---|--|--|--|
|                     | Track A   | Track B   | Track C  | Track D  |  |
| October 21, 2009    | 08:00-09:00   | Registration / Morning Refreshment at Internatinal Library of University of Macau     |  |  |  |
|                     | 09:00-09:30   | Opening remarks   |  |  |  |
|                     | 09:30-10:30   | Keynote I: Deep Blue in Retrospect, <i>Monty Newborn</i> Chair: Jen-Yao Chung         |  |  |  |
|                     | 10:30-11:00   | Coffee break #1   |  |  |  |
|                     | 11:00-12:30   | Session 1: Software Engineering for e-Business<br>Chair: Li Guo                       | Session 2: Data and Knowledge Management for e-Business - I<br>Chair: Zhiguo Gong        | Session 5: Service Engineering - I<br>Chair: Yinsheng Li | Session 7: Security, Privacy and Open Source - I<br>Chair: Xiaoxun Sun   |
|                     | 12:30-13:30   | Lunch #1  |  |  |  |
|                     | 13:30-14:30   | Industry Keynote: Marina Bay Sands Project, <i>Thomas Dillon</i> Chair: Steven Miller |  |  |  |
|                     | 14:30-15:00   | Coffee break #2   |  |  |  |
|                     | 15:00-17:00   | Session 4: Integration and Collaboration - I<br>Chair: Chengzheng Sun                 | Session 3: Data and Knowledge Management for e-Business - II<br>Chair: Grigoris Antoniou | Session 6: Service Engineering - II<br>Chair: Ci-Wei Lan | Session 8: Security, Privacy and Open Source - II<br>Chair: Kan Watanabe |
| 18:30-20:30         | IEEE TCEC and University of Macau Reception/Dinner, Chair: Kwei-Jay Lin |   |  |  |  |

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|------------------|------------------------|--|--|--|---|
| October 22, 2009 | 07:45-08:45            | Registration / Morning Refreshment at Internatinal Library of University of Macau                                |  |  |   |
|                  | 08:45-09:00            | Opening remarks  |  |  |   |
|                  | 09:00-10:00            | Keynote II: The Innovator's Journey: Fulfilling the Promethean Promise, <i>Andres Fortino</i> Chair: Francis Lau |  |  |   |
|                  | 10:00-10:30            | Coffee break #3  |  |  |   |
|                  | 10:30-12:30            | Session 9: Mobile and Pervasive Commerce<br>Chair: Zongwei Luo   | Session 10: Industry Experience and Applications - I<br>Chair: Joe Zou | Session 11: Industry Experience and Applications - II<br>Chair: Rolf T. Wigand | Session AiR-1<br>Chair: Hsueh-Hsien Chang |
|                  | 12:30-13:30            | Lunch #2   |  |  |   |
|                  | 13:30-14:30            | Invited Talk: Operational Transformation: Theory and Application, <i>Chengzheng Sun</i> Chair: Jingzhi Guo       |  |  |   |
|                  | 14:30-15:00            | Coffee break #4  |  |  |   |
|                  | 15:00-17:00            | Session 12: Data and Knowledge Management for e-Business – III<br>Chair: Grigoris Antoniou                       | Session 13: Integration and Collaboration - II<br>Chair: Jingzhi Guo   | Session ASOC<br>Chair: Lianzhao Zeng   | Session AiR-2<br>Chair: Omar Hussain      |
| 18:30-21:00      | Banquet at Macau Tower |  |  |  |   |
|                  | Banquet Keynote        |  |  |  |   |

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|------------------|-------------|---|---|--|--|
| October 23, 2009 | 08:00-08:45 | Registration / Morning Refreshment at Internatinal Library of University of Macau |   |  |  |
|                  | 08:45-09:00 | Opening remarks   |   |  |  |
|                  | 09:00-11:00 | Session 14: Service Engineering – III<br>Chair: Trieu Chieu                       | Session 15: Service Engineering – IV<br>Chair: Yan Zhuang         | Session SOAIC-1<br>Chair: Xiangyu Wang | Session SOKMBI-1<br>Chair: Dickson K.W. Chiu |
|                  | 11:00-11:30 | Coffee break #5   |   |  |  |
|                  | 11:30-12:50 | Session 16: Security, Privacy and Open Source - III<br>Chairs: Zhiyuan Fang       | ICEBE 2009 Student Workshop<br>Chair: Yain-Whar Si and Simon Fong | Session SOAIC-2<br>Chair: Xiangyu Wang | Session SOKMBI-2<br>Chairs: Raymond Lau      |
|                  | 12:50-13:50 | Lunch #3  |   |  |  |

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| October 21, 2009 | 11:00-12:30 | <b>Session 1: Software Engineering for e-Business</b>   | <b>Session 2: Data and Knowledge Management for e-Business - I</b>  | <b>Session 5: Service Engineering - I</b>   | <b>Session 7: Security, Privacy and Open Source - I</b>  |
|                  |             | Using an Enterprise Mashup Infrastructure for Just-in-Time Management of Situational Projects, <i>Shahriar Mohammadi, Ali Khalili and Sarah Ashoori</i> | Personalized Scheduling Search Advertisement by Mining the History Behaviours of Users <i>Guangyi Xiao, Zhiguo Gong and Jingzhi Guo</i> | A Multiple Objectives Optimization Approach for QoS-Based Web Services Compositions <i>Ci-Wei Lan, Rick C.S. Chen, Addison Y.S. Su, Angus F.M. Huang, Stephen J.H. Yang and Jen-Yao Chung</i> | Trust and Privacy in Dissemination Control <i>Xiaojun Ye, Zude Li, Bin Li and Feng Xie</i>                                 |
|                  |             | Ontology Module Metrics <i>Sunju Oh and JoongHo Ahn</i>   | Efficient Web Page Main Text Extraction towards Online News Analysis <i>Baoyao Zhou, Yuhong Xiong and Wei Liu</i>                       | The Design and Implementation of Service Reservations in Real-Time SOA <i>Mark Panahi, Weiran Nie and Kwei-Jay Lin</i>  | The Development mode of Trust E-commerce Services <i>Yulong Shen, Qingqi Pei, Xinghua Li, Hailing Feng and Jianfeng Ma</i> |
|                  |             | Impacts Separation Framework for Performance Prediction of E-Business Systems, <i>Xiang Huang, Wenbo Zhang, Bo Zhang and Jun Wei</i>                    | Name Disambiguation using Semantic Association Clustering <i>Hai Jin, Li Huang and Pingpeng Yuan</i>                                    | An Evaluation of a Service-Oriented Platform for Indexing Media Collections <i>Juan Miguel Espinosa Carlin and Diana Luz Cheng Abusabal</i>   | Research on Trust Management Model for E-Commerce based on Fuzzy Clustering Method <i>Chunhui Piao and Xiuna Gan</i>       |

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|------------------|-------------|--|---|--|--|
| October 21, 2009 | 15:00-17:00 | <b>Session 4: Integration and Collaboration - I</b>  | <b>Session 3: Data and Knowledge Management for e-Business - II</b>   | <b>Session 6: Service Engineering - II</b>   | <b>Session 8: Security, Privacy and Open Source - II</b>   |
|                  |             | Virtual Wealth Realization in Virtual and Real Worlds <i>Jingzhi Guo, Angelina Chow, Zhiguo Gong and Chengzheng Sun</i>                                | Agent-Based Electronic Market With Ontology-Services <i>Nuno Silva, Maria João Viamonte and Paulo Maio</i>                                | Dependency-Guided Service Composition for User-Centric SOA <i>W.T. Tsai, Peide Zhong, Xiaoying Bai and Jay Elston</i>  | Achieving p-Sensitive k-Anonymity via Anatomy <i>Xiaoxun Sun, Hua Wang, Jiuyong Li and David Ross</i>                                      |
|                  |             | A Service-Based Framework for Pharmacogenomics Data Integration <i>Kun Wang, Xiaoying Bai, Jing Li and Cong Ding</i>                                   | Multi-Agent Modeling and Analysis for E-Commerce Transaction Network Based on CAS Theory <i>Chunhui Piao, Xufang Han and Shuren Zhang</i> | A Methodology for Transactional Risk Assessment and Decision Making in e-Business Interactions <i>Omar Hussain, Tharam Dillon, Elizabeth Chang and Farookh Hussain</i> | On The Detection of DDoS Attackers for Large-Scale Networks <i>Dalia Nashat, Xiaohong Jiang and Susumu Horiguchi</i>                       |
|                  |             | Role-Centric RESTful Services Description and Composition for E-Business Applications <i>Hao Yu, Cheng Zhu, Hongming Cai and Boyi Xu</i>               | Towards an Open, Self-Adaptive and P2P Based e-Market Infrastructure <i>Li Guo, John Darlington and Brian Fuchs</i>                       | Audio Watermarking Pre-process Algorithm <i>Huan Li, Zheng Qin, Xu Wang and Liping Shao</i>  | Collusion-Resistant Sabotage-Tolerance Mechanisms for Volunteer Computing Systems <i>Kan Watanabe, Masaru Fukushi and Susumu Horiguchi</i> |
|                  |             | Rule-Based Service Oriented Business Network Process Realization in Dynamic Virtual Enterprises <i>Alireza Khoshkbarforoushha and Mohammad Aghdasi</i> | Simulation-based Evaluation of Workflow Escalation Strategies <i>Ka Leong Chan, Yain Whar Si and Marlon Dumas</i>                         |  | Symmetrically Oblivious Envelope Protocol <i>Bao-Hong Li, Kun Zhen and Yin-Liang Zhao</i>  |

## ICEBE 2009 Program

|                  |             | Session 9: Mobile and Pervasive Commerce  | Session 10: Industry Experience and Applications - I   | Session 11: Industry Experience and Applications - II  | Session AiR-1  |
|------------------|-------------|---|--|--|--|
| October 22, 2009 | 10:30-12:30 | A Heuristic Algorithm for Broker Deployment in RFID Applications<br><i>Yifeng Qian, Beihong Jin, Donglei Cao</i>  | The Design and Implementation of a smart building control system<br><i>Han Chen, Paul Chou, Sastry Duri, Hui Lei, Johnathan Reason</i> | Dynamic Scaling of Web Applications in a Virtualized Cloud Computing Environment<br><i>Trieu Chieu, Ajay Mohindra, Alexei Karve and Alla Segal</i>   | The Research of User Participation Mechanism in Education Resource Warehouse based on the Microformat Concept<br><i>Xinying Zhang, Zhenzhen Meng and Lei Fan</i> |
|                  |             | RFIDSLT: a Data Lineage Tracing Method for Complex Query over RFID Streams<br><i>Yongli Wang, Jiangbo Qian and Ran Ma</i>                                   | Exploring Practical Mobile Interaction for Enterprise Business Process<br><i>Juwei Shi, Lina Ren, Jiajia Wen, Yabo Li and Qi Yu</i>    | Designing a Credit Approval System using Web Services, BPEL, and AJAX<br><i>Vincent C.T. Chan, Dickson K.W. Chiu, Michelle Watson, Patrick C.K. Hung, Haiyang Hu, Hua Hu and Yi Zhuang</i> | Evaluation and Research on Green Strength of Reverse Logistics System<br><i>Xianyong Gan and Wei Yu</i>  |
|                  |             | Virtual Credit Cards on Mobile for M-Commerce Payment<br><i>Narongrit Waraporn, Manawat Sithiyavanich, Hathaichanok Jiarawattanasawat and Narin Pakchai</i> | Cross Border Financing Scheme Design under the RMB Currency Swap Framework<br><i>Zongwei Luo</i>                                       | How Can We Successfully Implement The ERP Activity?<br><i>Te-King Chien and Huei-Shan Tseng</i>  | Enhancements to A Lightweight RFID Authentication Protocol<br><i>Xiaowen Zhang, Zhanyang Zhang and Xinzhou Wei</i>   |
|                  |             | A Multi-Step Task allocation Algorithm of Mobile Agent Based on Mobile Ad Hoc Network<br><i>Hui He, Fan Wei and Yong Qi</i>                                 |  |  | Calculation and Application in RFID of the PCB Spiral Inductors<br><i>Hui Dong, Yisheng Zhu and Baishan Zhao</i>   |
|                  |             |   |  |  | Research on Urban Traffic Improvement Based on Meticulous Traffic Design<br><i>XianYong Gan and HongYi Yang</i>  |
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## ICEBE 2009 Program

|                         |             | <b>Session 12: Data and Knowledge Management for e-Business – III</b>  | <b>Session 13: Integration and Collaboration - II</b>  | <b>ASOC 2009 IEEE International Workshop on Applications and Services on Cloud</b>   | <b>Session AiR-2</b>  |
|-------------------------|-------------|--|--|--|---|
| <b>October 22, 2009</b> | 15:00-17:00 | Hierarchical Classification of Business Information on the Web Using Incremental Learning<br><i>Yi Wang, Zhiguo Gong and Jingzhi Guo</i> | Value at Risk Management in Multi-period Supply Inventory Coordination<br><i>Zhengying Cai, Rong Xin and Renbin Xiao</i>                                   | Service Component Architecture for Vending Machine System in Cloud Computing Infrastructure<br><i>Feng-Cheng Lin, Yi-Shiou Lee, Chih-Hao Hsu, Kuan-Yu Chen and Tzu-Chun Weng</i> | Risk Analysis and Measurement in Warehouse Financing<br><i>Ying Yin, Zongwei Luo and Yulian Fei</i>   |
|                         |             | Temporal Exception Prediction for Loops in Resource Constrained Concurrent Workflows<br><i>Iok Fai Leong and Yain Whar Si</i>            | Enterprise Isomorphic Mapping Mechanism: Towards Ontology Interoperability in EIS Development<br><i>Mingxin Gan</i>  | An Approach to Children Surveillance with Sensor-based Signals using Complex Event Processing<br><i>Ruei-Kai Lee, Chih-Hao Yu, Min-Siong Liang and Ming-Whei Feng</i>            | RFIDGlove: a wearable RFID reader<br><i>Leire Muguira, Juan Ignacio Vazquez, Asier Arruti, Jonathan Ruiz-de-Garibay, Izaskun Mendia and Silvia Renteria</i> |
|                         |             | Knowledge-based supervision model for electronic payment<br><i>Sun Hao, Yueting Chai and Yi Liu</i>                                      | Baidu.com's Case Study—Pros and Cons of Website Ranking Service under Chinese Anti-monopoly Mechanism<br><i>Yimeei Guo, Dongsheng Yan and Weiwan Zhang</i> | A Cloud-Based Trajectory Index Scheme<br><i>Shih-Tsun Chu, Chao-Chun Yeh and Chun-Lung Huang</i>   | RFID Middleware Event Processing Based on CEP<br><i>Yulian Fei, Jun Hu, Ertian Hua and Zongwei Luo</i>  |
|                         |             | A P2P-based E-Business Portal Model<br><i>Zixuan Shao, Zhiyuan Fang and Jie Yang</i>   | Price Dispersion in C2C Market Based on Multi-Agent Modeling and Simulation<br><i>Qiuju Yin, Lihui Min and Peng Miao</i>                                   | An Ecosystem Approach for a Healthcare Services Cloud<br><i>Henry H. Chang, Paul B. Chou and Sreeram Ramakrishnan</i>  | Hash-Based Tag Ownership Transfer Protocol Against Traceability<br><i>Yongming Jin, Huiping Sun and Zhong Chen</i>  |
|                         |             | Calibrating Resource Allocation for Parallel Processing of Analytic Tasks<br><i>Jianfeng Yan and Wen-Syan Li</i>                         |  |  | A New Frame Size Adjusting Method For Framed Slotted Aloha Algorithm<br><i>Yu Cui-Cui and Feng Zhou</i>   |
|                         |             |  |  |  | Research on the Maintenance Decision-making of Cement Concrete Pavement Based on Preventive Maintenance<br><i>Jian Zhao and Jia Xu</i>                      |
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## ICEBE 2009 Program

|                  |             | Session 14: Service Engineering – III   | Session 15: Service Engineering – IV   | Session SOAIC-1   | Session SOKMBI-1  |
|------------------|-------------|---|--|---|---|
|                  |             |   |  |   |   |
| October 23, 2009 | 09:00-11:00 | Technical Challenges and Solution Space for Developing SaaS and Mash-up Cloud Services<br><i>Hyun Jung La, Si Won Choi and Soo Dong Kim</i> | A Quantitative Service Accountability Model<br><i>Joe Zou, Christopher Pavlovski, Christopher De Vaney and Yan Wang</i>                  | A Reputation-based Service Selection Scheme<br><i>Ping Wang, Kuo-Ming Chao, Chi-Chun Lo, Ray Farmer and Pu-Tsun Kuo</i> | Influence Factors to Web2.0 Websites Users' Attitude and Behavioral Intention<br><i>Zhiyuan Fang, Meiyuan Xiao, Zixuan Shao and Jie Yang</i>      |
|                  |             | An Ontology-driven Discovery Architecture to Support Service Composition<br><i>Yingzi Wang, Xiaolin Zheng and Deren Chen</i>                | Applying Context-Awareness to Service-Oriented Architecture<br><i>Lian Yu, Yang Yang, Yongchao Gu, Xu Liang, Shan Luo and Frank Tung</i> | The Fitness Evaluation Model of SAAS for Enterprise Information System<br><i>Yonghe Lu and Bing Sun</i>                 | Ontological User Profiling and Language Modeling for Personalized Information Services<br><i>Johnny So, Chapman C.L. Lai and Raymond Y.K. Lau</i> |
|                  |             | Combining Intelligent Agent with the Semantic Web Services for Building An e-Commerce System<br><i>Cuimei Bao</i>                           | A P2P-based Semantic Web Services Composition Architecture<br><i>Zhengdong Zhu, Yahong Hu, Ronggui Lan, Weiguo Wu and Zengzhi Li</i>     | Open Identity Management Framework for SaaS Ecosystem<br><i>Bin Wang, Heyuan Huang, Xiaoxi Liu, and Jingmin Xu</i>      | Ontology Based Content Management for Digital Television Services<br><i>Benjamin Lui, Dickson K.W. Chiu, Haiyang Hu, Hua Hu and Yi Zhuang</i>     |
|                  |             | A comparative study between WSCI, WS-CDL, and OWL-S<br><i>Enrique Martínez, M. Emilia Cambroner, Gregorio Díaz and Valentín Valero</i>      | A SOA Based Software Engineering Design Approach in Service Engineering<br><i>Weider Yu and Chia H. Ong</i>                              | Proxy Pattern Informatization Research Based On SaaS<br><i>Huawen Li and Qingjie Wang</i>                               |   |
|                  |             | A Method of QoS Measurement Based on User Behavior Analysis<br><i>Guo-qi Liu, Zhi-liang Zhu, Yi-qiang Li and Ying Liu</i>                   | Modeling E-Commerce Website Quality with Quality Function Deployment<br><i>JinLing Chang, Tong Song, Chuncan Li and Tao Song</i>         | Customizable Data Exchange based on Web Service<br><i>Jun Xu, Gang Xiao, JiaWei Lu, Qianhui Liang and Jun Shen</i>      |   |
|                  |             |   |  |   |   |

## ICEBE 2009 Program

| October 23, 2009 | 11:30-12:50 | Session 16: Security, Privacy and Open Source - III  | ICEBE 2009 Student Workshop | Session SOAIC-2   | Session SOKMBI-2  |
|------------------|-------------|--|-----------------------------|---|---|
|                  |             | Trust-based Access Control for Privacy Protection in Collaborative Environment<br><i>Min Li, Hua Wang and David Ross</i>               |                             | A Global Information Model for Service-Oriented System Engineering<br><i>Yinsheng Li, Yunyi Zhang, Han Chen, and Weiming Shen</i>   | Knowledge-based Application Generator: An Automatic Approach to Service-oriented Knowledge Management of Systems Knowledge<br><i>Michael M. T. Ho</i> |
|                  |             | A Solution of Electronic Authentication Service Based on PKI for Enabling e-Business<br><i>Xiaoqi Zhang, Meina Song and Junde Song</i> |                             | Multi-level based framework for Organizing and Composing Semantic Web Services<br><i>N. Temglit and M. Ahmed Nacer</i>  | Audit Trail Analysis for Traffic Intensive Web Application<br><i>Ka-I Pun and Yain-Whar Si</i>  |
|                  |             | Preventing Wormhole Attacks in Mobile Commerce<br><i>Haw-Tyng Pai and Fan Wu</i>   |                             | The Research of Evaluation and Index System based on IT Enterprise Service Capability<br><i>Zhiyuan Fang, Lin Zhao, and Zixuan Shao</i>   | Online PSO for Web Marketing Optimization<br><i>Alfredo Milani and Valentino Santucci</i>   |
|                  |             |  |                             | User-Centered Design and Visualization of Service Oriented Recommender Agents: An Approach to Achieve Better Consumers' Involvement in E-Commerce Systems<br><i>Rui Wang and Xiangyu Wang</i> |   |