

SKG2010 Program

Conference Location: New Century Grand Hotel Ningbo

Monday (Nov.1)

15:00- Registration

20:00

15:00- **Workshop on Cyber Physical Society (Open Free Discussion Session)**

17:30 **Main speakers:** T. Dillon, T. Erickson, and H. Zhuge, Venue: Siyi Hall, 4th floor, 思义厅

Tuesday (Nov.2)

(20 min / per R, 15 min / per S)

9:00- **Opening Session**

9:20 [Chair: Hai Zhuge, 4th floor, International Conference Hall 国际会议厅]

Keynote Session

9:20- **Social Intelligence: Designing Systems that Tap Human Knowledge**

10:40 Thomas Erickson, IBM T.J. Watson Research Center

Break (15 Minutes)

10:55- **Web-of-Things Framework for Cyber-Physical Systems**

12:00 Tharam Dillon, Curtin University of Technology, Australia

12:15- Lunch

13:30 [宁波银苑大酒店, Waiting at the lobby to go to restaurant together]

14:00- **Session 1: Cyber Physical Society (1st Workshop on Cyber Physical Society)**

15:45 [Chair: Thomas Erickson, Venue: Siyi Hall 思义厅]

R	Cyber Physical Society	Hai Zhuge
R	Service Semantic Link Network Discovery Based on Markov Structure	Anping Zhao, Zhixing Huang, Yuhui Qiu
R	Discovering Dynamic Communities in Semantic Link Network	Bei Xu, Hai Zhuge
R	The Interactive Computing Model for Cyber Physical Society	Xiaoping Sun, Hai Zhuge, Xiaorui Jiang
S	Weaving the Semantic Link Network of Events	Junsheng Zhang; Yunchuan Sun
S	Combination of Ontology Model and Semantic Link Network in Web Resource Retrieval	Shengtao Sun, Dingsheng Liu, Guoqing Li, Wenyang Yu, Lv Pang

14:00-**Session 2: Semantics and Ontology****15:45****[Chair: Ivan Janciak, Room: Shangli Hall 尚礼厅]**

R	Ontology-based Metadata Integration Approach for Learning Resource Interoperability	Kotchakorn Banlue, Ngamnij Arch-int, Somjit Arch-int
R	A Reference Model for Data Mining Web Services	Ivan Janciak, Peter Brezany
R	Provide distant learners with the personalized learning paths based on 3d_SLN map	Juan Yang, Zhixing Huang, Hongtao Liu
S	Selection Policy of Rescue Servers Based on Workload Characterization of Flash Crowd	Chi-Hung Chi, Shijie Xu, FengLin Li, Kwok-Yan Lam
S	Comparison of Word Processing Document Format in OOXML and ODF	Xia Hou, Ning Li, Hongbo Yang, Qi Liang
S	XPDL Intelligent Data Service Chain based on Ontology	Wenyang Yu, Guoqing Li, Shengtao Sun, Lv Pang

15:45-**Coffee Break****16:15****16:15-****Session 3: Semantics and Systems****18:00****[Chair: Xiangfeng Luo, Room: Siyi Hall 思义厅]**

R	Concept Extraction based on Association Linked Network	Xiao Wei, Xiangfeng Luo
R	Multi-faceted Learning Paths Recommendation via Semantic Linked Network	Juan Yang, Zhixing Huang, Hongtao Liu
R	Are Links on the Web Enough?	Junsheng Zhang, Huilin Wang, Yunchuan Sun
S	Research on Ontology based Semantic Service Middleware within Spatial Information System	Lv Pang, Guoqing Li, Wenyang yu, Shengtao Sun
S	An Efficient Corpus Based Part-of-Speech Tagging with GEP	Chengyao Lv, Huihua Liu, Yuanxing Dong

16:15-**Session 4: Grid and Cloud Computing****18:00****[Chair: Ivan Janciak, Room: Shangli Hall 尚礼厅]**

R	Vdismodel: A Display Latency Performance Model in Virtualization Environment	Bin Zhou, Hai Jin, Pingpeng Yuan
R	Join Optimization in the MapReduce Environment for Column-wise Data Store	Minqi Zhou, Rong Zhang, Dadan Zeng, Weining Qian, Aoying Zhou
R	Security and Privacy in Cloud Computing: A Survey	Minqi Zhou, Rong Zhang, Wei Xie, Weining Qian, Aoying Zhou
S	Towards a Logistics Cloud	Bernhard Holtkamp, Sebastian Steinbuss, Heiko Gsell, Thorsten Loeffeler, Ulrich Springer
S	A Taxonomy and Survey of Resource Management in Grid	Bo Wang, Gang Chen, Hao Luo, Weimin Zheng
S	Improve the Performance of Data Grids by Value-Based Replication Strategy	Wuqing Zhao, Xianbin Xu, Zhuowei Wang, Yuping Zhang, Shuibing Zhang

19:00-**Conference Banquet****21:00****[宁波银苑大酒店, Waiting at the lobby to go to restaurant together]**

Wednesday (Nov.3)

(20 min / per R, 15 min / per S)

9:00-

Session 5: Networking Technologies

10:30

[Chair: Simon Denya Zhu: Siyi Hall 思义厅]

R	HTTP-session model and its application in anomaly HTTP traffic detection	Yi Xie, Shunzheng Yu, Xiangnong Huang
R	Building Resilient Unstructured Peer-to-Peer Networks Using Mobile Agents	Ming Xu, Shuigeng Zhou, Jihong Guan
R	Constraints Partition based Service Process Replacement with End-to-End QoS Constraints	Chaogang Tang, Qing Li, Yan Xiong, An Liu,, Shiting Wen
S	Trustworthiness Fusion of Web Service Based on D-S Evidence Theory	Rong Hu, Jianxun Liu
S	A Novel Multipath Video-on-demand Transmission Algorithm	Laiquan Han, Jinkuan Wang
S	Data Gathering in Wireless Sensor Networks	Zhen Liu, Zhigang Chen

9:00-

Session 6: Semantics and Ontology

10:30

[Chair: Jianxun Liu, Room: Shangli Hall 尚礼厅]

R	Approximate Ontology Matching Based on Structure Quantization	Shuai Liang, Qiangyi Luo, Zhenhong Huang
R	Translating Separation Logic into a Fragment of the First-Order Logic	Yuefei Sui, Yuming Shen, Cungen Cao, Ju Wang
R	The Research on Hierarchical Construction Method of Domain Ontology	Shengtao Sun, Dingsheng Liu, Guoqing Li, Wenyang Yu, Lv Pang
S	The Research of Image Segmentation based on Improved Neural Network algorithm	Lijun Zhang, Xiuchun Deng
S	An Image Encryption Algorithm Based on Sequence	Qili Xiao, Bencheng Chai, Qimin Xiao
S	Simulation Research of Applying Two-dimensional Empirical Mode Decomposition on Image Feature Extraction	Qin Wang, Ran Jin, Kun Gao

10:30

Coffee Break

10:45

10:45-**Session 7: Semantic Applications and Web****12:00****[Chair: Thomas Erickson, Room: Siyi Hall 思义厅]**

R	Characteristics and Uses of Labeled Datasets – ODP Case Study	Dengya Zhu, Heinz Dreher
R	A Framework Enabling Semantic Search in Health Service Ecosystems	Hai Dong, Farookh Khadeer Hussain, Elizabeth Chang
R	Web Service Composition on the Environment Level	Guangjun Cai
S	Research of Mobile Security Solution for Fourth Party Logistics	Zheng Leina, Pan Tiejun, Yan Guoqing
S	Research and Design of Integrated Substation Monitoring Systems	Aimin Yang, Lixia Wang, Junpin WU, Quli Xiao
S	Study on Optimal Design of Planetary Gear Reducer Based on Particle Swarm Algorithm and Matlab	Xiao Qimin, Xiao Qili

10:45-**Session 8: Semantic Space Model****12:00****[Chair: Zhixing Huang, Room: Shangli Hall 尚礼厅]**

R	A Resource Space Model for Dataspace	Xiaorui Jiang, Xiaoping Sun, Hai Zhuge
R	User Interaction Based Network Growth Model of Semantic Link Network	Wei Ren, Zhixing Huang, Yuhui Qiu
R	C*-tree: A Multi-Dimensional Index Structure for Resource Space Model	Qiang Zeng, Hai Zhuge
S	Agents for Social Search in Long-Term Digital Preservation	Josep Lluís de la Rosa, Albert Trias, Raivo Ruusalepp, Kuldar Aas, Alex Moreno, Eloy Roura, Albert Bres,, Teresa Bosch
S	Development of a Logic Layer in the Semantic Web: Research Issues	Naeem Khalid Janjua, Farookh Khadeer Hussain

12:15-**Lunch****13:30****[宁波银苑大酒店, Waiting at the lobby to go to restaurant together]****14:00-****Session 9: Grid and Cloud Computing****15:45****[Chair: Xiaoping Sun, Room: Siyi Hall 思义厅]**

R	Optimization Research on Processes' /O Performance in Container-level Virtualization	Yi Zhao, Taoying Liu, Guanyuan Zhang, Jiangning Cui
R	A Scheduling Algorithm Based on Task Complexity Estimating for Many-Task Computing	Yingnan Li, Xianguo Wu, Jian Xiao, Yu Zhang, Huashan Yu
R	A Knowledge-based Continuous Double Auction Model for Cloud Market	Shifeng Shang, Jinlei Jiang, Yongwei Wu, Guangwen Yang, Weimin Zheng
R	Multiple-Job Optimization in MapReduce for Heterogeneous Workloads	Weisong Hu, Chao Tian, Xiaowei Liu, Hongwei Qi, Li Zha, Huaming Liao, Yuezhao Zhang, Jie Zhang
S	Research on Internet-Based Distributed Rendering	Qing Yang
S	Robust 3D Watermarking Technique for Authentication of 3D Polygonal Model	Yanhong Zhang

14:00- Session 10: Networking Technologies**15:45 [Chair: Hai Zhuge, Room: Shangli Hall 尚礼厅]**

R	COTE:A Clustering Scheme with Optimal Tiers and Energy Efficiency in Wireless Sensor Networks	Liansheng Tan, Yumei Ying, Wei Liu
R	Rank Internet Service Quality Using Multiple Features: A Machine Learning Approach	Dandan Tu, Chengchun Shu, Jingwei Shi, Tao Zhu, Shuang Wang, Haiyan Yu
S	Research on K-Anycast Routing Schemes for IPv6	Chun Zhu, Hanzhong Liu
S	Computing ST Reliability of 2-State Stochastic Flow Networks Using A new Topological Formula	Fei Gao, HaoLiang Hu
S	A Multimedia Information Retrieval Algorithm in P2P Networks Based on the Classification of Peers	Gepeng Wu, Zhipeng Jiang, Suixiang Gao, Wenguo Yang
S	Decision under Insufficient Evidence: a Scalable Probabilistic Way	Xiaoqing Zheng, Hongjun Zhang, Feng Zhou

15:45-**Coffee Break****16:15****16:15- Session 11: Semantics and Ontology****17:40 [Chair: Huilin Wang, Room: Siyi Hall 思义厅]**

R	Researches on Semantic Annotation and Retrieval of 3D Models Based on User Feedback	Tianyang Lu, Shaobin Huang, Peng Wu, Yeran Jia
R	Mapping Relational Databases into Ontologies through a Graph-based Formal Model	Shihan Yang, Jinzhan Wu
S	Service Interactions in CSCE Service Composition Environment	Xiuguo Zhang, Yingjun Zhang
S	Research of Information System for Agile Virtual Enterprise Supported by Fourth Party Logistics	Zheng Leina, Yu Yun, Pan Tiejun, Yan Guoqing
S	A New Image Segmentation Approach by using Automation Threshold Selection	YunLan Zou, Bencheng Chai, QiLi Xiao
S	Software Reliability Prediction Model based on Relevance Vector Machine	Qihong Zheng

16:15-**Session 12: Semantic Applications and Web****17:30 [Chair: Tharam Dillon, Room: Shangli Hall 尚礼厅]**

R	Searching for Historical Events on a Large-Scale Web Archive	Lian'en Huang, Wu Lin, Xiaoming Li
R	A Holistic Solution for Duplicate Entity Identification in Deep Web Data Integration	Wei Liu, Xiaofeng Meng
R	Study on Key Technology for Topic Tracking	Shengdong Li, Xueqiang Lv, Hongwei Wang, Shuicai Shi
S	Research of Mobile E-commerce Security Solution based on External Electronic Device	Dechao Sun, Tiejun Pan, Zhong WAN, Haiyan He
S	Research for Customer Segmentation of Medical Insurance Based on K-means and C&R Tree Algorithms	Jianxin Bi