CSCWD 2010 Technical Program
April 14-16, 2010, Shanghai, China

Tuesday, April 13, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>17:30 - 19:00</td>
<td>Registration and Welcome Reception</td>
</tr>
<tr>
<td></td>
<td>Starry Sky Cafe, the 15th Floor, Guanghua Building</td>
</tr>
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Wednesday, April 14, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>07:30 - 08:30</td>
<td>Registration, the 1st Floor of East Sub-building, Guanghua Building</td>
</tr>
<tr>
<td>08:30 - 08:45</td>
<td>Opening Plenary</td>
</tr>
<tr>
<td>No. 2 Auditorium (102), the 1st Floor of East Sub-building, Guanghua Building</td>
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</tr>
<tr>
<td>08:45 – 09:45</td>
<td>Keynote Speech by Prof. Chengzhen Sun</td>
</tr>
<tr>
<td>No. 2 Auditorium (102), the 1st Floor of East Sub-building, Guanghua Building</td>
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<tr>
<td>09:45 – 10:00</td>
<td>Coffee/Tea Break</td>
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<tr>
<td>10:00 – 12:00</td>
<td>Session A1: 6 papers</td>
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<tr>
<td>Session B1: 7 papers</td>
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<tr>
<td>Session C1: 6 papers</td>
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<tr>
<td>No. 1 Conference Room, the 4th Floor, Guanghua Building</td>
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<tr>
<td>No. 2 Conference Room, the 4th Floor, Guanghua Building</td>
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<tr>
<td>No. 3 Conference Room, the 4th Floor, Guanghua Building</td>
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<tr>
<td>12:00 – 13:30</td>
<td>Lunch- Fuxuan Hotel</td>
</tr>
<tr>
<td>13:30 – 15:30</td>
<td>Session A2: 7 papers</td>
</tr>
<tr>
<td>Session B2: 6 papers</td>
<td></td>
</tr>
<tr>
<td>Session C2: 6 papers</td>
<td></td>
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<tr>
<td>15:30 – 15:45</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>15:45 – 17:45</td>
<td>Session A3: 7 papers</td>
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<tr>
<td>Session B3: 7 papers</td>
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<tr>
<td>Session C3: 5 papers</td>
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<tr>
<td>18:00 – 21:00</td>
<td>Dinner</td>
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<tr>
<td>IEEE SMC CSCWD TC Meeting and CSCWD Steering Committee Meeting</td>
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<td>Professor Dining-Hall</td>
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Thursday – April 15, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td>Session A4: 5 papers</td>
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<tr>
<td>Session B4: 5 papers</td>
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<tr>
<td>Session C4: 5 papers</td>
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<tr>
<td>10:00 – 10:15</td>
<td>Coffee/Tea Break</td>
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<tr>
<td>10:15 – 12:15</td>
<td>Session A5: 7 papers</td>
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<tr>
<td>Session B5: 7 papers</td>
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<tr>
<td>Session C5: 7 papers</td>
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<tr>
<td>12:15 – 13:30</td>
<td>Lunch- Fuxuan Hotel</td>
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<tr>
<td>13:30 – 15:15</td>
<td>Session A6: 6 papers</td>
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<tr>
<td>Session B6: 6 papers</td>
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<tr>
<td>Session C6: 6 papers</td>
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<tr>
<td>15:15 – 15:30</td>
<td>Coffee/Tea Break</td>
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<tr>
<td>15:30 – 17:15</td>
<td>Session A7: 6 papers</td>
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<td>Session B7: 6 papers</td>
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<tr>
<td>Session C7: 5 papers</td>
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<tr>
<td>19:00 – 23:00</td>
<td>Conference Banquet – Seagull Place, 2852 Binjiang Avenue, Pudong District</td>
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Friday, April 16, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>8:30 – 10:10</td>
<td>Keynote Speech by Prof. Jianrong Tan</td>
</tr>
<tr>
<td>2010 CSCWD Conference Presentation</td>
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<tr>
<td>Best Paper Awards Ceremony</td>
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</tr>
<tr>
<td>No. 2 Auditorium (102), the 1st Floor of East Sub-building, Guanghua Building</td>
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</tr>
<tr>
<td>10:10 – 10:20</td>
<td>Coffee/Tea Break</td>
</tr>
<tr>
<td>10:20 – 12:00</td>
<td>Session A8: 5 papers</td>
</tr>
<tr>
<td>Session B8: 5 papers</td>
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<tr>
<td>Session C8: 5 papers</td>
<td></td>
</tr>
<tr>
<td>12:15 – 13:30</td>
<td>Lunch- Fuxuan Hotel</td>
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</tbody>
</table>
A1: Collaboration in Manufacturing, Services, and Businesses (I)

Task-oriented BOM Conversion and View Mapping
Meng Xiaojun, Zhang Xu, Ning Ruxin, Wang Aimin

The Real-time Dynamic Heuristic Scheduling for Complex Production Planning
Yiping Yuan, Wenlei Sun, Ying Zhu

Research on Dynamic Response of Historic Timber Structure with Platform-Foundation under Metro-induced Loads
Xin Wang, Zhaobo Meng

Digital Factory for Collaborative Supply Chains
Michel Pouly, Sébastien Berthold

Large Groups Decision for the Rio 2016 Olympic Games in the MUTIRÔ Project
Sergio Palma J. Medeiros, Jano Moreira de Souza, Gustavo Carvalho, Erick Alves Rezende

Public Service Platform Supporting Collaboration of Motor Die Manufacturing
Yuming Zhu, Shikai Jing, Jihong Liu

A2: Collaboration in Manufacturing, Services, and Businesses (II)

AgendaBuilder: a System to Support Meeting Design
Adriana S. Vivacqua, Marcos S. Ferreira, Jano M. de Souza

Architecture of a Distributed Framework for a Fleet Command and Control System
Sufen Liu, Peng Xu, Xiaojun Li

A Case Study on Designing Business Processes Based on Collaborative and Mining Approaches
João Carlos de A. R. Gonçalves, Flávia Maria Santoro, Fernanda Araújo Baião

Recommender System for Contextual Advertising in IPTV Scenarios
Roberto Konow, Wayman Tan, Luis Loyola, Javier Pereira, Nelson Baloian

Collective Intelligence for the Design of Emergency Response
Adriana S. Vivacqua, Marcos R.S. Borges

Context-Aware Scheduling of Workforce for Multiple Urgent Events
Yuqing Sun, Dickson K. W. CHIU

Multi-site Collaboration Design for Air Cargo Planning
Pearl C. C. Shum, Vincent T.Y. Ng

A3: Other Applications (I)

An Architecture-Aware Routing Optimization via Satisfiability for Hierarchical FPGA
Limin Zhu, Qiang Zhou, Yici Cai, Jinian Bian

Design Mechod and Finite Element Analysis on Refrigeration Scroll Compressor
Licun Wang, Lijun Song

Design of Cooperative Deployment in Distributed Honeynet System
Haifeng Wang, Qingkui Chen

Functional Reverse Design: Method and Application
Dunbing Tang, Renniao Zhu, Honghua Xu

Mechanism of Method Invocation and Return in Real-time Embedded Java Processor
Guang Hu, Zhilei Chai, Xindong Ye, Shiliang Tu

Digital Identity Enrolment and Assurance Support for VeryIDX
Jianming Yong, Elisa Bertino

PaperFlow/R: a Cooperative Environment for the Conception and Production of Scientific Publications
Hugo Paredes, Benjamin Fonseca
A4: Mobile Collaboration and Applications (I)
Reliability Research of Wireless Sensor Network Node
Shuxia Pan, Bingbing Ji, Yali Luan

Constraint-based Sensor Network Nodes Particle Swarm Search Localization Algorithm
Zhou Shu-wang, Wang Ying-long, Guo Qiang, Wei Nuo

R&D Process Programming for Series EGR Sensor Based on Virtual Molding and Parametric Design
Liu Tianhu, Liang Zhihui, Liang Shenbo, Qin Xinnian, Fu Ping

Designing Mobile Interaction to Elicit Alternative Solutions for Participatory Decision-making
Ana Cristina B. Garcia, Adriana S. Vivaquca, Thiaico T Tavares

Design and Implementation of Multi-robot Cooperative Tracking
Li Shuqin, Zhang Le, Yuan Xiaohua

A5: Other Applications (II)
A Generative Concept Design Model Based On Parallel Evolutionary Strategy
Wenke Zang, Guangchen Wang

Organizing Public Security During International Sports Events with LaSca
Gustavo Carvalho, Sergio Palma J. Medeiros, Erick Alves Rezende, Jano Moreira de Souza

The Design of Collaboration Support between Command and Operation Teams during Emergency Response
Rodrigo Pinheiro Padilha, José Orlando Gomes, Marcos R S Borges, Jose H. Canós

A Preliminary Study on Collaborative Methods in Animation Design
Xiaopin Liu, Lin Li, Jinting Lu, Lin Du, Guangting Shen

Social Interaction Regulation in Virtual Web Environments using the Social Theatres Model
Hugo Paredes, F. Mário Martins

Structural Optimization of Honeycomb Paperboard Mould by Sensitivity Analysis
Ma Suchang, Liu Xuebin, Zhao Wei

Outage Probability Bound Analysis in Vehicle-Assisted Inter-Vehicular Communications
Zhaoxun Li, Yang Zhao, He Chen, Hanying Hu

A6: Agents and Multi-agent Systems for Cooperative Design (I)
Study on Collaborative Product Design Based on Modularity and Multi-agent
Chen Ming, Liu Jinfei, Kong Qinghua

Cluster Supply Chain Cooperation based on Multi-agent
Feipeng Huang, Xiangyang Li

The Design and Implement of Internet Intelligence Agent in Electronic Commerce Environment
Qingzhang CHEN, Xiaoai TANG, Shuojin FANG

Bidirectional Selection Cooperation Approach Based on Multi-Agent
Xuan Wang, Jing-long Yan

Real-time Task Scheduling Behavior in Agent-based Product Development Process Simulation
Xiaodong Zhang, Jianwei Wang, Le Luo, Yingzi Li

A Dynamic Critical Path Computation Algorithm for Enterprise Process Cooperative Scheduling
Fujun Yang, Wenan Tan, Weiming Shen, Hamada H. Ghenniwa, Yunjiao Xue

A7: Agents and Multi-agent Systems for Cooperative Design (II)
Application of Ontological Thought in Collaborative Product R & D Orientied to Automobile Lifecycle
Chen Ming, Liu Jinfei, Kong Qinghua, Yao Yuan
A Cooperative Design Framework Based on Multi-Agent for Aircraft Structural Parts
Hai Li, Yingguang Li, Wei Wang, Changqing Liu

The Research and Improvement on the Coordinated-Negotiation Architecture of Web Service Composition based on Agent in the Condition of Multi-Negotiation Concurrency
Bin Wu, Chaozhen Guo

An Agent-Based Architecture for Knowledge Management in Context-Aware Business Processes
Leonardo A. de C. Gatti, Flávia Maria Santoro, Vanessa T. Nunes

Modeling of Container Terminal Logistics Operation System Based on Multi-Agents
Ye Zhong, Wenfeng Li, Bin Li

Game Theoretic Approach in Multipath Routing for Tradeoff between Routing Security and Performance
Siguang Chen, Meng Wu

A8: Mobile Collaboration and Applications (II)

Based Deviation-optimal by Using Kalman Filter Algorithm in Receiver-Only Time Synchronization for Wireless Sensor Networks
Guo Wen-juan, Wang Ying-long, Wei Nuo, Guo Qiang

Enhancing Mobile Collaboration with HLMP
Juan Rodriguez-Covili, Sergio F. Ochoa, José A. Pino

Dynamic Data Driven Smart Home System based on a Service Component Architecture
Chi-Chun Lo, Ding-Yuan Chen, Kuo-Ming Chao

HLMP API: A Software Library to Support the Development of Mobile Collaborative Applications
Juan Rodriguez-Covili, Sergio F. Ochoa, José A. Pino, Roc Meseguer, Esunly Medina, Dolors Royo

Mobile Multi-robots Formation Control and its Implementation
Li Shuqin, Zhao Qiwei, Yuan Xiaohua

B1: CSCWD Techniques, Methods, and Tools (I)

Transformation of Operation Commands among CAD Systems in Synchronized Collaborative Design
Wanfeng Dou, Xiaodong Song, Tao Peng

Group Animation Path Generation Based on Particle Swarm Optimisation
Hong Liu, Shijie Xu

Design and Research on GeoIP
Fang Dong, Cheng Chengqi, Guo Shide

Learning to Rank with a Weight Matrix
Zewu Peng, Yong Tang, Luxian Lin, Yan Pan

A Cooperative Method for Supervised Learning in Spiking Neural Networks
Shen Hong, Liu Ning, Li Xiaoping, Wang Qian

Load Identification in Nonintrusive Load Monitoring Using Steady-State and Turn-on Transient Energy Algorithms
Hsueh-Hsien Chang, Ching-Lung Lin, Jin-Kwei Lee

A Framework of Awareness for Collaborative e-Commerce
Qingzhang CHEN, Yan JIN, Peng WANG

B2: CSCWD Techniques, Methods, and Tools (II)

Design Evaluation by Neural Trees
Xiyu Liu, Feng Qi

A Method of Evaluating Collaboration Satisfaction Degree of NPD Team
Lv Jun, Li Ya-feng
Collaborative Quality-of-Service based Video Conferencing
Christian Spielvogel, Peter Kropf

A Framework for Privacy Policy Management in Service Aggregation
Peishun Wang, Liju Dong, Yi Mu, Willy Susilo, Jun Yany

A MVC-based Collaborative Framework Support for Test Suite
Zhenyu Liu, Ting Li, Genxing Yang

A Study and Design of Plug-in Framework Based on .NET Component Technology
Sun Yuyu, Hu Liang, Zhao Kuo

B3: CSCWD Techniques, Methods, and Tools (III)
A Conversation Model of Collaborative Pair Programming Based on Language/action Theory
Wanfeng Dou, Kui Hong, Wei He

Research on an Analysis Method for Software Trustworthiness Based on Rules
Tie Bao, Shufen Liu, Lu Han

An Inter-Block 4-Erasure-Correcting Scheme for Reliable Transmission of Large Data Blocks
Shi-Le Zhang, Wei Qin, Song-Wen Pei, Bai-Feng Wu

A Multi-User Location-Awareness System
Rahat Iqbal, Anne James, Witold Poreda, John Black

Using a Metamodel to Design Structural and Behavioral Aspects in Context-Sensitive Groupware
Vaninha Vieira, Patricia Tedesco, Ana Carolina Salgado

Shared Design Thinking Process Model for Supporting Collaborative Design
Junpeng Du, Shikai Jing, Jihong Liu

A Formalizing Hybrid Model Transformation Approach for Collaborative System
Kun Ma, Bo Yang, Haiyang Wang

B4: Knowledge Management for Cooperative Design (I)
A Study on Performance Evaluation Model of Individual Knowledge-sharing
Lijun Song, Licun Wang, Ningyu Zhao

Study of Ontology Technology in Field Word Segmentation System of Digital Library
Lizhen Liu, Chengli Wang, Lin Bai, Hai Chen

A Frame-based Ontological View Specification Language
Yunjiao Xue, Hamada H. Ghenniwa, Weiming Shen

Web Information Extraction Based on Hidden Markov Model
Jianbing Lai, Qiang Liu, Yi Liu

Applying the BPANN and the Hierarchical Ontology to Develop a Methodology for Binary Knowledge Document Classification and Content Analysis

B5: CSCWD Techniques, Methods, and Tools (IV)
CSCW Implementation in Enterprise - The NIBBLING Method
Philippe Vigué, Pascale Zaraté, Jean-Luc Soubie

Coordination and Pressing: A Formula for Teamwork - A Case Study
Maira Marques, Sergio F. Ochoa, Alcides Quispe, Luis Silvestre, Agustin Villena

A New Collaboration Design Method Based on Dependency in Electrical Domain
Xinyin Wang, Huaiyu Wang, Quansheng Shi, Shaohua Zhang

5
Green Quality Function Development and Modular Design Structure Matrix in Product Development
Chung-Shing Wang, Pei-Yau Lin, Teng-Ruey Chang

A GPU-based Computing Framework for CSCW
Gang Chen, Guobo Li, Baifeng Wu, Songwen Pei

A Less Constraint Concurrency Control and Consistency Maintenance in Collaborative CAD System
Huajun Liu, Xiaoxia Li, Fazhi He, Zhiyong Huang

Specify and Enforce the Policies of Quantified Risk Adaptive Access Control
Chen Chen, Weili Han, Jianming Yong

B6: CSCWD Techniques, Methods, and Tools (V)

Improving Requirements Engineering Processes in Very Small Software Enterprises Through the Use of a Collaborative Application
Sergio F. Ochoa, Alcides Quispe, Andrés Vergara, José A. Pino

On-demand Late Join for Collaborative Graphics Editing Systems in Ubiquitous Environment
Bo Jiang, Jiale Wang

Team Composer: Assembling Groups through Social Matching
Flavia E.O. Silva, Claudia L.R. Motta, Flávia Maria Santoro

ARARA - A Collaborative Tool for Requirement Change Awareness
Ester J. C. de Lima, José A. Rodrigues Nt., Geraldo B. Xexéo, Jano M. de Souza

A Cooperative Network Intrusion Detection Based on Heterogeneous Distance Function Clustering
Shaohua Teng, Hongle DU, Wei Zhang, Xiufen Fu, Xiaocong Li

A Double Interval Centroid-Based Watermark for Network Flow Traceback
Xiaogang Wang, Junzhou Luo, Ming Yang

B7: Workflows for Cooperative Design

A Knowledge-based Adaptive Collaborative Work System Implementation Framework
Xianghui Wang, Jian Zhang, Qian Sun

Multi-granularity Business Process Descriptions and Intelligent Task Distribution
Chunsheng Hu, Chengdong Xu

SMART: A Platform for Cross-Domain Business Process Collaboration
Mao Ningning, Cui Lizhen

A Business Process Modeling Approach Based on Semantic Event-driven Process Chains
Tianyang Dong, Hongming Cai, Boyi Xu

A Process-oriented Configurable Workflow System Model for Cooperative Project Management
Yi Chen, Jie Xin

Test Coverage for Collaborative Workflow Application based on Petri Net
Zhenyu Liu, Tiejian Liu, Lizhi Cai, Genxing Yang

B8: Knowledge Management for Cooperative Design (II)

Qualitative Analysis of a Social Knowledge Management Initiative in an Innovation Institute
Ricardo A. Costa, Silvio R. L. Meira, Paulyne M. Jucá, Rafael A. Ribeiro

Knowledge Element Relation Extraction Using Conditional Random Fields
Yingying Chen, Qinghua Zheng, Wei Wang, Yan Chen

An approach on Business Process Ontology for CSCW Using PSL
Wenan Tan, Fujun Yang, Weiming Shen
Collaborative Geo-referenced Knowledge Creation for Designing and Planning  
Gustavo Zurita, Nelson Baloian  

Dialog Construction in a Collaborative Project Management Environment  
Milton P. Ramos, Cesar A. Tacla, Gilson, Emerson C. Paraiso, Jean-Paul A. Barthès  

C1: Grids, Web services and Semantic Web for Cooperative Design (I)  
A Service-Oriented Travel Portal with Semantic Package Recommender  
Yinsheng Li, Mu Zhu, Han Chen, Kuo-Ming Chao  

An Optimization Approach for Service Deployment in Service Oriented Clouds  
Tiejiang Liu, Tun Lu, Zhenyu Liu  

Resource Scheduling Based on Dynamic Dependence Injection in Virtualization-based Simulation Grid  
Hanbing Liu, Hongy Li, Shouyi Zhan, Xundong Chai, Yabin Zhang, Baocun Hou, Linqin  

Data Aggregation based Adaptive Long Term Load Prediction Mechanism in Grid Environment  
Fang Dong, Junzhou Luo, Jinhui Zhang, Aibo Song, Jiuxin Cao  

Jia jun Wang, Jie Wu, Yu Wu, Shiyong Zhang  

Novel Algorithm for Load Balancing in Cluster Systems  
Wenzheng Li, Hongyu Shi  

C2: Grids, Web services and Semantic Web for Cooperative Design (II)  
Research on Collaborative Design Platform of Launch Vehicle Based on Desktop Grid  
ZHANG Hao-long, ZHENG Hong-tao, ZHAO Wen, LIAO Xin, FEI Zhi-ting  

An Extension of GridSim for Quality of Service  
Reda Albodour, Anne James, Norlaily Yaacob  

On the Trusted Ontology Model for Evaluating the Semantic Web Services  
Ming Qu, Shufen Liu, Tie Bao  

The Service-Oriented Architecture of Virtual Enterprise for Manufacturing Industry  
Wei Cui, Xiangxu Meng, Shijun Liu  

Applying a Model-Driven Process for a Collaborative Service-Oriented Architecture  
Cristiana Pereira Bispo, Rita Suzana P. Maciel, José Maria N. David, italo Ribeiro, Renato Conceição  

Research on Library Management System for CDs Attached to Books Based on Cloud Computing  
Honghai Kan, Zhimin Yang, Yue Wang, Nana Qi  

C3: Grids, Web services and Semantic Web for Cooperative Design (III)  
A Collaborative Trust Model of Firewall-through based on Cloud Computing  
Zhimin Yang, Lixiang Qiao, Chang Liu, Chi Yang, Guangming Wan  

A Lightweight Semantic Framework Towards Collaborative Development and Integration of Enterprise Applications  
Yi Jiao, Lin Li, Nanrong Ye  

SOA-based Method for Cooperative Tasks Distribution in Large-scale Optimization Environments  
Quxiang Cui, Xia Zhu, Yi Zhang, Xiaoping Li  

Semantic-based Self-organising Mechanism for Service Registry and Discovery  
Jiuxin Cao, Yi Yao, Xiao Zheng, Bo Liu  

An Impact Analysis Model For Distributed Web Service Process  
Mi Wang, Lizhen Cui
C4: Distance Learning / E-Learning (I)

The Study of Collaborative Learning Grouping Strategy in Intelligent Tutoring System
Lizhen Liu, Lei Chen, Cuixia Shi, Hai Chen

A Study on Academic Performance and Interpersonal Interactions Based on Network
Jianhua Han, Jikui Wen, Xiaojun Zhao

Research on Network Learning Behavior Evaluation Model
Suxian Lin, WenAn Tan, Junfeng Song

A Method for Large Cross-Language Lexicon Management Based on Collaborative Work of Hash Family and Double-Array Trie
Zheng Cheng, Zheng Qinghua, Zhou Zheng, Tian Feng

Mining Patterns of e-Learner Emotion Communication in Turn Level of Chinese Interactive Texts: Experiments and Findings
Feng Tian, Qinghua Zheng, Deli Zheng

C5: Practice and Experience with Collaborative Systems (I)

Research and Application of Conflict Detection Technology in Machinery Collaborative Design
Hammei Chen, Yinzhang Guo

Layered Document Model Transformation and Operation Adaptation of Two Dimensional CAD Environments
Liping Gao, Tun Lu

Application of Collaborative Simulation Based on Interfaces for Dynamic Properties of an Engine's Mechanical System
Wenjie Qin, Zihui Li, Xiongjiang Zhou

Implementation of Collaborative Design System upon Heterogeneous CAD Systems Using a Feature-based Mapping Set
Xiaodong Song, Wanfeng Dou, Jun Zhu

Multi-layers Process Modeling for Complex Machinery Products Collaborative Design
Yin-zhang GUO, Jian-chao ZENG

CAD Software Development for Planet Carrier Design
Sizhu Zhou, Ming Chen, Jian Hua, Huabin Jin, Chao Li

Information Integration and E-Commerce System Construction for Taiwan Traditional Industrial Production
Ping-Hong Kuo, Yao-Tsung Ko, Hui-Shan Huang

C6: Practice and Experience with Collaborative Systems (II)

A Hierarchical Hybrid Strategy for Reliability Analysis of Multidisciplinary Design Optimization
Liansheng Li, Shikai Jing, Jihong Liu

Research of Configuration Management In Complex Equipment Collaborative R&D
TANG Dingyong, CHENG Zheng, XIE Dongmei, TAO Yizhen

The Strategies of New Product Design System for Small Series Production
Chen-Fang Tsai, Anne James, Weidong Li

An Effective Interaction Control Mechanism with Minor Step for Multidisciplinary Collaborative Simulation System
Heming Zhang, Pengfei Cui, Hongwei Wang

Collaborative 3D CAD System for Multiple User Design
Lianguan Shen, Heng Liu, Mujun Li, Yu Hao, Meiyan Wang, Jian Li, JinJin Zheng

Retrieval and Reconstruction of Heterogeneous Feature Data for Collaborative Design
Xiaoxia Li, Fazhi He, Xiantao Cai, Zhiyong Huang

C7: VR Technologies for Cooperative Design

Virtual Robot Program Development for Assembly Processes using Rigid-Body Simulation
Mario Rossdeutscher, Michael Zurn, Ulrich Berger
VRML Based Collaborative CAM Simulation Environment  
Ziqiang Zhou, Yi Pan, Lie Ma, Liguan Shen, Wei Zhao

Construction of Virtual Experiment Platform for Research about Vehicle Driving Control at Energy-saving  
Yin Nianlong, Xia Ping, Tao Jing

Effects of Information Exchange Channels in Different Communication Modes on Trust Building in Computer-mediated Remote Collaborative Design  
Lu Wang, Xiangyu Wang

Virtual Reality in the Substation Training Simulator  
Wang Wenju, Li Guangyao

C8: Distance Learning / E-Learning (II)

A Motivation Booster Proposal based on the Monitoring of users' Progress in CSCL environments.  
Leovy Echeverría, Ruth Cobos

Learning with Patterns: an Effective Way to Implement Computer Supported Pervasive Learning  
Nelson Baloian, José A. Pino, Gabriel Peña, Gustavo Zurita

Augmenting Teamwork Skills Through Web3D Technologies in Software Engineering Course  
LieHuo Chen, Qiang Liu, XiaoGuang Sun

Designing Training Content through Group Storytelling  
Ricardo Tulio Gandelman, Flávia Maria Santoro

Promoting learning through Social Networks Supported by a Matching System Model  
Soraia P.A. Silva, Claudia L.R.Motta, Carlo E.T. Oliveira