

The 12th International Conference on CSCW in Design

April 16-18, 2008, Xi'an, China

[Home](#)

[Proceedings](#)

[Call for Papers](#)

[Committees](#)

[Program](#)

[Submission](#)

[Registration](#)

[Travel Info](#)

[Accommodation](#)

[Important Dates](#)

[Contact](#)

Scope of Conference

Design of complex artifacts and systems requires the cooperation of multidisciplinary design teams. The 12th International Conference on Computer Supported Cooperative Work in Design (CSCWD 2008) provides a forum for researchers and practitioners involved in different but related domains to confront research results and discuss key problems. CSCWD 2008 has a theme on Human Centered Collaborative Design, with an emphasis to improve the productivity of knowledge workers through CSCW. The major topics include, but not limited to:

- Techniques, methods, and tools for CSCW in design
- Knowledge intensive cooperative design
- User modeling for cooperative design
- Intelligent agents and multi-agent systems for cooperative design
- Workflows for cooperative design
- VR technologies for cooperative design
- Grids, Web Services and Semantic Web for CSCW in Design
- Mobile collaboration and applications
- Collaborative networks and applications
- Collaboration in manufacturing, construction, services, and businesses
- Distance learning/training related to design
- Practice and experience with collaborative systems
- Other areas related to CSCW in Design

Submission of Papers

Papers reporting original research results and experience are solicited. Each paper, written in English, should be no more than 6 pages (IEEE proceedings format), including references and illustrations. Electronic submissions in PDF format are strongly recommended.

Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will attend the conference to present the paper.

Evaluation and Publication

All submitted papers will be reviewed by program committee members and selected based on their originality, significance, relevance, and clarity of presentation. Accepted papers will be published in the IEEE categorized conference proceedings (ISTP/EI). Authors of selected papers will be invited to submit

revised and expanded version of their papers to be considered for publication in special issues of well-known international journals (SCI).

Information about the International Working Group on CSCW in Design and previous conferences/workshops can be found at: <http://www.cscwid.org/>.

Organized by



Co-Sponsored by



CSCWD 2008 Technical Program

April 16-18, 2008

Nanyang Hotel, Xi'an Jiaotong University, Xi'an, China

Tuesday April 15, 2008, 14:00~22:00: Conference Registration (Lobby, Nanyang Hotel)

Wednesday April 16, 2008

7:30	Registration & Breakfast			
8:00~8:10	Opening Plenary Welcome by Honorary Conference Chair and Program Committee Chair Chair: Prof. Qinghua Zheng, Plenary Conference Room			
8:10~10:10	Keynote Speech by Prof. Mitchell Tseng Keynote Speech by Prof. Susan Finger Chair: Prof. Jean-Paul Barthes, Plenary Conference Room			
10:10~10:30	Coffee/Tea Break			
10:30~12:30	A1: CSCWT-1	B1: MAS-1	C1: SPT-1	D1: MCA-1
12:30~13:30	Lunch			
13:30~15:30	A2: CSCWT-2	B2: MAS-2	C2: SPT-2	D2: WCD-1
15:30~16:00	Coffee/Tea Break			
16:00~18:00	A3: CSCWT-3	B3: WS-SW-1	C3: CMCS-1	D3: WCD-2
18:30~20:00	Conference Dinner			
20:00~22:00	IEEE SMC TC Meeting & CSCWD Steering Committee Meeting			

Thursday April 17, 2008

7:30	Registration & Breakfast			
8:10~10:10	Keynote Speech by Dr. Jen-Yao Chung Keynote Speech by Prof. Qinghua Zheng Chair: Prof. Junzhou Luo, Plenary Conference Room			
10:10~10:30	Coffee/Tea Break			
10:30~12:30	A4: CSCWT-4	B4: WS-SW-2	C4: CMCS-2	D4: WCD-3
12:30~13:30	Lunch			
13:30~15:30	A5: CSCWT-5	B5: WS-SW-3	C5: CMCS-3	D5: OAP-1
15:30~16:00	Coffee/Tea Break			
16:00~18:00	A6: CSCWT-6	B6: WS-SW-4	C6: CMCS-4	D6: OAP-2
18:30~22:00	Conference Banquet			

Friday April 18, 2008

7:30	Registration & Breakfast			
8:10~10:10	A7: KM-1	B7: WS-SW-5	C7: CVEB-1	D7: OAP-3
10:10~10:30	Coffee/Tea Break			
10:30~12:10	A8: KM-2	B8: DL-1	C8: CVEB-2	D8: VRCD-1
12:10~13:30	Lunch & Announcements			
13:30~18:00	Half-day Tour			
18:30~20:00	Conference Dinner			

- CMCS (Collaboration in Manufacturing, Construction, and Services)
- CSCWTS (CSCW Techniques and Systems)
- CVEB (Cooperation in Virtual Enterprise and E-Business)
- DL (Distance Learning)
- KM (Knowledge Management for Cooperative Design)
- MAS (Agents and Multi-Agent Systems)
- MCA (Mobile Collaboration and Applications)
- SPT (Security, Privacy, and Trust in CSCW Systems)
- OAP (Other Applications)
- OKM (Ontology and Knowledge Management)
- VRCD (Virtual Reality in Collaborative Design)
- WCD (Workflows for Collaborative Design)
- WS-SW (Web Services, Semantic Web, and Grids for Cooperative Design)

Keynote Presentations

001: Customization, Collaboration, Competition and Contracting in Design

Mitchell Tseng

002: ArtifactWebs: Navigable Product Structures

Susan Finger and Sharad Oberoi

003: Emerging View of Service-Oriented Computing and Applications

Jen-Yao Chung

004: SkyClass: a Novel e-Learning System over Satellite and Computer Network

Qinghua Zheng

A1: CSCWT-1 (CSCW Techniques), Chair: Marcos Borges, Room #5

2851: AAM: A Conceptual Model for CSCW

Ziqiang Cui, Qiang Liu

3195: Tell Us Your Process: A Group Storytelling Approach to Cooperative Process Modeling

Flavia Maria Santoro, Marcos R.S. Borges, Jose A. Pino

3111: Semantic Consistency Maintenance in Collaborative Graphics Design Systems

Bo Jiang, Jiajun Bu, Chun Chen, Bo Wang

2908: A Consistency Maintenance Algorithm with Cursor Position Maintenance in Real-time Cooperative Editing Systems Based on GOT Algorithm

Qiuyu Zhang, Zhi Fan, Sanjun Sui, Fengman Miao

3107: Building Web Domain Data Integration System with User Collaboration

Yongquan Dong, Qingzhong Li, Hui Li, Zongmin Shang

3233: Internet-Enabled Transmission Streaming Technology of 3D Mesh Model

Lirong Wang, Jiakai Wang, Jinzhu Li, Ichiro Hagiwara

A2: CSCWT-2 (CSCW Techniques), Chair: Pingyu Jiang, Room #5

2978: A Collaboration Scheme for Making Peer-to-Peer Anonymous Routing Resilient

Xiaogang Wang, Junzhou Luo

2766: Using Cognitive Walkthrough Procedure to Prototype and Evaluate Dynamic Menu Interfaces: a Design Improvement

Xiangyu Wang

2879: A Collaborative Framework for Parallel View Maintenance

Zhongmei Shu, Yayao Zuo, Yong Tang

3157: A Novel Coordination Mechanism in Cooperative Pattern Design Systems

Bo Wang, Jiajun Bu, Chun Chen, Bo Jiang

2957: Interactive Product Configuration Driven by Customer Requirement's Priority

Junsheng Kuang, Pingyu Jiang

3115: A Cooperative Browser-level Web Caching System Based on Chord

Changyao Chen, Xiufen Fu, Shaohua Teng, Peijiang Liu, Baixing Chen

A3: CSCWT-3 (CSCW Techniques), Chair: Lai-Chung Lee, Room #5

2958: A General Objects Network Management Platform Based on MOF

Shuying Zhang, Shufen Liu, Yue Gao, Jianmei Ge

2909: A Novel Combinative Algorithm for Multidisciplinary Collaborative Simulation

Silv Liang, Heming Zhang

3220: Action Research on Collaborative Design: A Case Study

Lai-Chung Lee, Whei-Jane Wei

3213: Adaptive Granular Concurrency Control for Replicated Collaborative Feature Modeling

Min Li, Jerry Y.H. Fuh, Yunfeng Zhang, Shuming Gao

3171: Application-driven System-on-Chip System Model Extraction Approach

Peng Zhao, Sikun Li, Dawei Wang, Ming Yan

3143: Cache Miss Reduction through Hardware-assisted Loop Optimization

Kang Zhao, Jinian Bian, Chenqian Jiang, Sheqin Dong, Satoshi Goto

A4: CSCWT-4 (CSCW Techniques), Chair: Xiaozhen Mi, Room #5

2780: Development of a Project Level Performance Measurement Model for Improving Collaborative Design Team Work

Yuanyuan Yin, Shengfeng Qin, Ray Holland

2916: Integrating Internet Technologies in Designing a Tailorable Groupware Architecture

Nader Cheaib, Samir Otmame, Malik Mallem

3232: Maintaining Semantic Intention of Step-wise Operations in Replicated CAD Environments

Liping Gao, Bin Shao, Tun Lu, Ning Gu

2714: A Concurrent Engineering Model Based on Automatic Collaboration

Jinghua Wu, Wencheng Tang, Liyi Zhu, Hongxiang Xu

3102: Multi-Filters Collaboration for Querying XML Data Streams

Zhimin Yang, Jing Wang, Chi Yang

A5: CSCWT-5 (CSCW Techniques), Chair: Cesar Tacla, Room #5

2952: Research on a Top-Down Collaborative Modeling System

Yazhou Chen

2905: Role based Cross-Project Collaboration Framework in Multiple Distributed Software Design Projects

Bin Xu, Xiaohu Yang, Albert Ma

2877: Synchronized Collaborative Design with Heterogeneous CAD Systems Based on Macro Semantic Commands

Jun Yang, Wanfeng Dou

3221: Task Partition for Function Tree According to Innovative Functional Reasoning

Yiming Tang, Xiaoping Liu

2764: Research of Decision Support Vector Machine in Web Information Classification

Lizhen Liu, Zhaowei Li, Aiqing Wang, Haijun He

3122: Video Temporal Segmentation Using Cooperative Model

Shaohua Teng, Wenwei Tan, Guibing Huang

A6: CSCWT-6 (CSCW Techniques), Chair: Kuo-Ming Chao, Room #5

2882: Design of an Aspect-Supported Generic Modeling Tool

Jun Zhang, Shufen Liu, Fei Wu, Jun Peng, Wanbo Zheng

2970: Gene Expression-based Collaborative Designer Selection and Optimization

Weili Wang, Yu Yang, Xuedong Liang, Jing Wang

3216: The Contingent Design for the Optimal Parameter Settings of Genetic Algorithms

Chen-Fang Tsai, Kuo-Ming Chao

2935: Application of Genetic Algorithm for Rectangular Object Layout Optimization

Xiaozhen Mi, Xiaodong Zhao, Wenzhong Zhao, Wenhui Fan

2997: Multi-objective Optimization Design of Gear Reducer Based on Adaptive Genetic Algorithm

Rui Li, Tian Chang, Jianwei Wang, Xiaopeng Wei

3228: Efficiency Evaluation for Collaborative Design Based on GA-BP Algorithm

Qiu Xie, Zixian Liu

A7: KM-1 (Knowledge Management for Cooperative Design), Chair: Dunbing Tang, Room #5

3159: A Port-Based Information Delivery for Collaborative Conceptual Design

Dongxing Cao, Qiang Xue, Yanhui Han, Chunxiang Cui

2784: An Improved Aggregated One-Dependence Estimator: On Non-rigid Cross Validation

Wanyu Deng, Qinghua Zheng, Lin Chen

2962: Authorization approaches for advanced permission-role assignments

Hua Wang, Jianming Yong, Jiuyong Li, Min Peng

3134: LaSca: A Large Scale Group Decision Support System

Gustavo Carvalho, Adriana S. Vivacqua, Jano M. Souza, Sergio Palma J. Medeiros

2819: Product Design Knowledge Management Based on Design Structure Matrix

Dunbing Tang

A8: KM-2 (Knowledge Management for Cooperative Design), Chair: Xiyu Liu, Room #5

3201: Sharing the Knowledge Generated During a Water Resources Project

Juliana Lucas de Rezende, Ricardo Tadeu da Silva, Jano Moreira de Souza, Otto Correa Rotunno Filho

3231: Supporting Case-Based Design for Packaged Software Implementations

Harris Wu, Lan Cao

3147: A Comprehensive Evaluation Approach for Key Clients of the Third Party Logistics Based on the Extension Theory

Yanwei Zhao, Lei Zhu, Nan Su, Huijun Tang, Yuankun Gui

3155: Social Aspects of Collaborative Design

Zhijun Rong, Peigen Li, Xinyu Shao, Kuisheng Chen

2775: Density Based Clustering on Manifolds with Applications to Creative Design

Xiyu Liu, Yinghong Ma

B1: MAS- 1 (Agents and Multi-Agent Systems for Cooperative Design), Chair: Anne James, Room #6

3061: A DCOR-based MAS Framework to Support Design Chain Cooperation

Jiun-Shiung Lin, Yeh-Chun Juan, and Chao Ou-Yang

3075: Agent based Automated Negotiation for Grid

Jinghui Zhang, Junzhou Luo

2975: WebAnima: A Web-Based Embodied Conversational Assistant to Interface Users with Multi-Agent-Based CSCW Applications

Emerson Cabrera Paraiso, Yuri Campbell, Cesar Tacla

3016: Improving Bilateral Negotiation with Evolutionary Learning

Emerson Romanhuki, Marcio Fuckner, Fabricio Enembreck, Bráulio Avila, Edson E. Scalabrin

3207: Multi Agent Systems for Design Team Assembly and Knowledge Exchange

Joel Reinhardt, Gustavo Gimenez-Lugo, Cesar Tacla, Luiz Pessoa Albini, Jaime. S. Sichman

3193: An Agent Based Approach to Address QoS Issues in Service Oriented Applications

Nazaraf Shah, Rahat Iqbal, Anne James, Kashif Iqbal

B2: MAS- 2 (Agents and Multi-Agent Systems for Cooperative Design), Chair: Yingguang Li, Room #6

3072: On an Agent-based Architecture for Collaborative Continuous Auditing

Chien-Ho Wu, Yuehjen E. Shao, Bih-Yih Ho, Tsair-Yuan Chang

3005: A Multi-agent Method to Design Hardware/Software Collaborative Systems

Jean-Paul Jamont, Michel Occello

2761: An Architecture for Intelligent Collaborative Systems based on Multi-Agent

Chuan Zhang, Jianqing Xi, Xiangsheng Yang

2929: A Multi-Agent-Based Semantic Collaboration Framework for Aircraft Tooling Design and Application

Ruijie Yan, Yingguang Li, Zhiyi Pan, Wenhe Liao

3030: Research on Network-based Collaborative Commodity Design Key Technology Development

Yantao Wang, Hua Ying, Yifei Xing

3123: Systems Integration and Collaboration in Construction: A Review

Weiming Shen, Qi Hao, Helium Mak, Joseph Neelamkavil, Helen Xie, John Dickinson

B3: WS-SW-1 (Web Services, Semantic Web, and Grids for Cooperative Design), Chair: Yinsheng Li, Room #6

3015: A Method for Model-driven Development of Adaptive Web Applications

Tao Jiang, Jing Ying, Minghui Wu, Canghong Jin

3083: A Multi-level Matching Framework for Semantic Web Services in Collaborative Design

Min Liu, Weiming Shen, Qi Hao, Junwei Yan, Qi Gao

3043: A Tuplespace-based Coordination Architecture for Service Composition in Pervasive Computing Environments

Qingcong Lv, Fan Yang, Qiyong Cao, Shaozi Li

3198: Aw2SOA: An Aspect-Oriented Awareness Service for Distributed Groupware

Adriano Bastos, Michel Oei, Leandro Menezes, Rita Suzana P. Maciel, Jose Maria N. David

2730: BChord: Bi-directional Routing DHT based on Chord

Hongwei Chen, Zhiwei Ye

3222: A Global Model based Service-Oriented Software Engineering Platform

Yinsheng Li, Junshuai Shi, Weiming Shen, Yingxiao Xu

B4: WS-SW-2 (Web Services, Semantic Web, and Grids for Cooperative Design), Chair: Soonhung Han, Rm #6

2990: Collaborative Simulation Environment Framework Based on SOA

Haiwei Wang, Geng Liu, Bing Han, Jian Zhang

3020: Integrating Web Services Technology to HLA-based Multidisciplinary Collaborative Simulation System for Complex Product Development

Heming Zhang, Hongwei Wang, David Chen

2848: Running Smart Process Based on Goals

Zongmin Shang, Haiyang Wang, Liqiang Wang, Hui Li, Yongquan Dong

3153: Sharing of CAD Assembly Model Data Using Parallel Web Services

Byungchul Kim, Soonhung Han

3114: Virtual Travel Agency Based on Web Services

Hui Li, Haiyang Wang, Zongmin Shang, Yongquan Dong

3180: Web Service Allocations Based on Combinatorial Auctions Market-based Mechanisms

Szu-Yin Lin, Bo-Yuan Chen, Chun-Chieh Liu, Von-Wun Soo

B5: WS-SW-3 (Web Services, Semantic Web, and Grids for Cooperative Design), Chair: Zhenhua Duan, Rm #6

3070: Combine Automatic and Manual Process on Web Service Selection and Composition to Support QoS

Canghong Jin, Minghui Wu, Tao Jiang, Jing Ying

2872: Fuzzy Ontology Models Using Intuitionistic Fuzzy Set for Knowledge Sharing on the Semantic Web

Jun Zhai, Yan Chen, Qinglian Wang, Miao Lv

3014: Semi-automatically Annotating Data Semantics to Web Services Using Ontology Mapping

Man Zhang, Zhenhua Duan, Chenting Zhao

2954: Ontology Clarification by Using Semantic Disambiguation

Lei Guo, Xiaodong Wang, Jun Fang

3142: Automated Ontology Selection Based on Description Logic

Xiaodong Wang, Lei Guo, Jun Fang

3175: QoS and Situation Aware Ontology Framework for Dynamic Web Services Composition

Minghui Wu, Canghong Jin, Chunyan Yu, Hui Yan, Jing Ying

B6: WS-SW-4 (Web Services, Semantic Web, and Grids for Cooperative Design), Chair: Heming Zhang, Rm #6

2781: Utilizing Grid to Build Cyberinfrastructure for Biosafety Laboratories

Tiejian Luo, Wei Liu, Su Chen, Jinliang Song, Yuli Jin, Cheng Du

3045: Grid Computing Based Large Scale Distributed Cooperative Virtual Environment Simulation

Congfeng Jiang, Xianghua Xu, Jian Wan

3163: Applying a Novel Combined Classifier for Pornographic Web Filtering in a Grid Computing Environment

Zhong Gao, Guanming Lu, Xin Zhao, Danni Qin, Mei Qin

2965: An Improved DHT-based Grid Information Services Architecture

Xia Zhu, Junzhou Luo, Aibo Song

3212: Study on Model Resource Semantic-based Dynamic Discovery in Military Oriented Simulation Grid

Hanbing Liu, Hongyi Su, Shouyi Zhan

B7: WS-SW-5 (Web Services, Semantic Web, and Grids for Cooperative Design), Chair: H. Ghenniwa, Room #6

2930: QoS Adaption Aware Algorithm for Grid Service Selection

Jingya Zhou, Junzhou Luo, Zhiang Wu

2956: Research on Networked Collaborative Development of Aeroengine Based on Grid Service

Yuankun Gui, Rong Mo, Jingling Zhang, Yanwei Zhao

3226: Grid Service QoS in Medical Environments

Reda Albodour, Anne James, Norlaily Yaacob, Anthony Godwin

3170: A Service-oriented Approach to Integration of e-learning Information and Resource Management Systems

Qinghua Zheng, Bo Dong, Feng Tian, Wei Chen

3230: A Study of Relationship between Customer and Supplier in Cutlery Outsourcing

Pawar Kulwant, Xinna Qu

3038: Network Friendly Tree for Peer-to-Peer Streaming

Ting Peng, Qinghua Zheng, Weimei Lv, Shan Jiang, Jingjing Gao

B8: DL-1 (Distance Learning), Chair: Susan Finger, Room #6

3024: Computer-Supported Collaborative Learning in Organizations: Improving the Process through Context

Flavia Maria Santoro, Neide Santos

3002: A Data Mining Algorithm in Distance Learning

Shangping Dai, Ping Zhang

3150: Applying Concept Maps to Integrate Knowledge Management with Learning Technology for e-Learning Platform

Hsuan-Hung Chen, Kim-Joan Chen, Yuan-Sun Chu, Chang-Shen Chen

3058: Research on E-learner Personality Grouping Based on Fuzzy Clustering Analysis

Feng Tian, Shibin Wang, Cheng Zheng, Qinghua Zheng

3132: Using Mobile Devices to Foster Social Interactions in the Classroom

Gustavo Zurita, Nelson Baloian, Felipe Baytelman

C1: SPT-1 (Security, Privacy, and Trust), Chair: Flavia Maria Santoro, Room #7

3141: Scan Attack Detection Based on Distributed Cooperative Model

Wei Zhang, Shaohua Teng, Xiufen Fu

2779: The Analysis of Uncertainty of Network Security Risk Assessment Using Dempster-Shafer Theory

Huisheng Gao, Jing Zhu, Congcong Li

2926: A Cost-Sensitive Method for Distributed Intrusion Response

Yaorui Wu, Shufen Liu

2951: XML and Web Services Security

Lili Sun, Yan Li

3117: Research on Secure Transmission of SOAP Messages

Yong Liu, Haixia Zhao, Yaowei Li

3197: Reputation Model in Communities of Practice: A Case Study

Claudia C. P. Cruz, Claudia L. R. Motta, Flávia Maria Santoro, Marcos Elia

C2: SPT-2 (Security, Privacy, and Trust), Chair: Milton Ramos, Room #7

2964: FORT: a Decentralized Automated Trust Negotiation Framework for Grids

Shangyuan Guan, Xiaoshe Dong, Jing Zhao, Bing Hu, Xingjun Zhang

3040: Social Computing-Based Trust Model in P2P E-Commerce

Fu Xie, Fengming Liu, Xincheng Wang, Rongrong Yang

2731: Research of P2P Trust Based on Fuzzy Decision-making

Hongwei Chen, Zhiwei Ye

3101: EntityTrust: Feedback Credibility-based Global Reputation Mechanism in Cooperative Computing System

Yiduo Mei, Xiaoshe Dong, Zhenhua Tian, Shangyuan Guan, Heng Chen

2893: An Incentive Mechanism for Charging Scheme in Heterogeneous Collaborative Networks

Kun Wang, Meng Wu, Weifeng Lu, Pengrui Xia, Subin Shen.

3039: Portable Devices of Security and Privacy Preservation for e-Learning

Jianming Yong, Jiuyong Li, Hua Wang

C3: CMCS-1 (Collaboration in Manufacturing, Construction, and Services), Chair: Kenji Sugawara, Room #7

3224: A Consistency and Awareness Approach to Naming Merged Faces in Collaborative Solid Modeling

Xiantao Cai, Fazhi He, Shuxu Jing, Huaqun Liu

3225: Product Model Distribution in Networked Design Collaboration Based on P2P 3D Streaming

Chih-Hsing Chu, Yu-Hsuan Chan

2763: Web based 3D Assembly Sequence Planning Prototype Integrated with CAD Model

Changyi Liu, Yaqin Zhang, Li Sun

3035: Collaborative Decision of Assembly Sequence in Distributed Product Development

Junfeng Wang, Shiqi Li, Jihong Liu

3044: Iterative Local Search Algorithm for No-Wait Flowshop Scheduling Problems to Minimize Makespan

Chuyang Wang, Xiaoping Li, Qian Wang

C4: CMCS-2 (Collaboration in Manufacturing, Construction, and Services), Chair: Xiaodong Zhang, Room #7

2925: A Novel Concurrent Design Process Planning Method and Application

Zhiyi Pan, Yingguang Li, Xiang Huang

2785: Game Theory-based Cooperation of Process Planning and Scheduling

W.D. Li, L. Gao, X.Y. Li, Y. Guo

2814: Research and Application on Collaborative Process Planning Based on CSCW in Aeronautic Manufacturing Enterprise

Xiaoliang Jia, Zhenming Zhang, Xitian Tian

3121: Collaborative Manufacturing Execution Systems: Using Real-time Information to Support Lean Production

Yongsheng Chai, Yulan Zhou, Yantao Wang

2736: Research on SLA Negotiation in Manufacturing Grid

Lilan Liu, Haiyang Sun, Tao Yu, Yuan Jin

3019: Beyond Product Customization: Towards a Conceptual Framework for Collaborative Customer Innovation

Xiaodong Zhang, Chun Miao, Yingzi Li, Han Zhang

C5: CMCS-3 (Collaboration in Manufacturing, Construction, and Services), Chair: Weidong Li, Room #7

2906: E-HUB Integration to Facilitate Collaborative Manufacturing Information System

Guixian Zhou, Qingsheng Xie

3027: Meta-Heuristic for No-Wait Job Shops with Makespan Minimization

Jie Zhu, Xiaoping Li, Yi Zhang, Qian Wang

3074: An Architecture to Implement Dynamic Online Manual for Working Capability Services of CNC Machine Tools

Qiqi Zhu, Pingyu Jiang

2976: Research on Customization-Oriented Networked Manufacturing and CSI Evaluation

Liang Tang, Ke Jing, Jianyu Yang, Wanshan Wang

2878: A Hierarchy Scheduling Structure Based On Mathematical Programming and Controlled Hybrid Petri Nets

Jinsong Zhang, Qiqiang Li, Zhaoxia Wang, Qingqiang Guo

3034: Composite Heuristic Algorithm for Permutation Flowshop Scheduling Problems with Total Flowtime Minimization
Yi Zhang , Xiaoping Li, Jie Zhu, Qian Wang

C6: CMCS-4 (Collaboration in Manufacturing, Construction, and Services), Chair: Lianguan Shen, Room #7

3042: Computer Aided Architectural Design: Wayfinding Complexity Analysis
Brett Bojduj, Ben Weber, Kai-Florian Richter, Sven Bertel
2811: A Web-based Cooperative Work System for High Arch Dam Temperature Control Design, Construction and Management
Yangbo Li, Dahai Huang
2712: A Method of Task Allocation for Collaborative Diagnosis
JianHui Liu, XianSheng Qin
2884: Analysis of Scientific Regulations on the Data Value-added Service Platform
Qianyao Xie, Feixu Liu, Jianqiu Zeng
2815: Development of New Respirator Fit Panels in Computer Supported Cooperative Design for the Chinese
Lei Yang, Henggen Shen
3214: MEMS lithography collaborative simulation environment research
Lianguan Shen, Meiyang Wang, Yu Hao, Gaofei Zhao, Zhao Shu, Sun Yuan, Xiaodong Wang, Mujun Li, Jinjin Zheng

C7: CVEB-1 (Cooperation in Virtual Enterprise and E-Business), Chair: Michel Pouly, Room #7

3139: An Agent-Enabled Logarithm Arithmetic for Cost Estimation of Human Resource Sharing
Qingru Kong, Yabo Luo
2754: An Interface Automata based Model for Web Service Composition
Xiaoyan Wang, Shufen Liu, Tongcheng Geng, Jun Zhang, Shuqiu Li
3190: Assisting Meeting Facilitation through Automated Analysis of Group Dynamics
Adriana S. Vivacqua, Leandro Carreira Marques, Jano Moreira de Souza
2818: Research on Innovation Customer Resource Selection and Evaluation Based on Wavelet Network
Jie Yang, Yu Yang, Lijun Song, Xiaohua Zhao, Qu Xie
3006: Study on Negotiation Model of Collaborative Design Based on Customer Satisfaction
Shuang Liang, Xingyu Jiang, Jianrong Wang, Haifeng Zhao, Ye Zhang, Wanshan Wang
3032: A Model-Driven Cooperative Enterprise Process Enactment Environment
Wenan Tan, Fujun Yang, Zhongya Lu, Yun Yang, Xianhua Zhao

C8: CVEB-2 (Cooperation in Virtual Enterprise and E-Business), Chair: Chui Young Yoon, Room #7

2988: Inter-enterprise Quality Management Decision Support Based Fractal Networks
Yongtao Qin, Liping Zhao, Yiyong Yao, Damin Xu
2812: Evaluating the Supplier Cooperative Design Ability Using a Novel Support Vector Machine Algorithm
Zhibin Liu, Li Bai
2743: Business Processes Modelling of Dynamic Manufacturing Resources Management Based on ASP Model
Guofu Luo, Hao Li, Juli Li
2931: DecoCHina, a Chinese-Swiss Collaborative Network of Industrial SMEs
Michel Pouly, Mario Greber, Remy Glardon, Charles Huber, Jean Beeler
2816: Design of a Measurement Tool for End-User e-Business Competency and Its Applications
Chui Young Yoon

D1: MCA-1 (Mobile Collaboration and Applications), Chair: Nelson Baloian, Room #8

3192: An Empirical Study to Analyze the Feasibility of WIFI for VANETs
Ali Tufail, Mike Fraser, Ali Hammad, Kim Ki Hyung, Seung-Wha Yoo
3200: Communication and Coordination Patterns to Support Mobile Collaboration
Roc Messeguer, Sergio F. Ochoa, Jose A. Pino, Leandro Navarro, Andres Neyem
2770: Design and Optimization of Beacon Nodes for Localization in Mobile Application
Qianping Wang, Hai Huang, Xiaolong Su, Houquan Liu, Zhoufang Xiao
2768: Dynamical Algorithm for Multi-hop Bluetooth Scatternet Formation
Jingjing Wang
3177: General Requirements to Design Mobile Shared Workspaces
Valeria Herskovic, Sergio F. Ochoa, Jose A. Pino, Andres Neyem
3205: Mobile Collaborative Knowledge Management System
Gustavo Zurita, Nelson Baloian, Felipe Baytelman

D2: WCD-1 (Workflows for Cooperative Design), Chair: Jose A. Pino, Room #8

- 3173: Collaborative Workflow Solution for Distributed Product Development
Yuan-Ping Luh, Chih-Chin Pan
- 3229: Distributed Workflows for Multiphysics Applications in Aeronautics
Toan Nguyen, Jean-Antoine Desideri, Jacques Periaux
- 3120: CEBON: Collaborative Estimation Based on Negotiation
Fabian Poblete, Jose A. Pino, Sergio F. Ochoa
- 3206: DSM Based Process Analysis for Concurrent Product Development and Its Implementation
Peisi Zhong, Jiandong Song, Mei Liu
- 3162: FWAM: A Flexible Workflow Authorization Model using Extended RBAC
Le Yang, Yongsun Choi, Myeonggil Choi, Xinlei Zhao

D3: WCD-2 (Workflows for Cooperative Design), Chair: Sergio F. Ochoa, Room #8

- 2894: Investigating Workflow Resource Patterns in Term of Pi-calculus
Gang Xue, Joan Lu, Ning Gong, Shaowen Yao
- 3091: Knowledge Modeling and Optimization in Pattern-Oriented Workflow Generation
Shaohua Zhang, Yong Xiang, Yuzhu Shen, Meilin Shi
- 2899: MD_WFN: Multi-dimensional Workflow Model based on Petri-net
Yang Zhao, Xianqing Yi, Xueshan Luo
- 2998: Organizational Simulation of Complex Process Engineering Projects in the Chemical Industry
Sven Tackenberg, Bernhard Kausch, Altyngul Malabakan, Christopher M. Schlick
- 2968: Production Planning and Operational Control Using Real-Time Data
Maozhu Jin, Rongqiu Chen
- 3008: Research of Collaborative Process Workflow Modeling Based on Stochastic Petri Nets
Yingying Su, Tianbiao Yu, Junming Hou, Shuang Liang, Wanshan Wang

D4: WCD-3 (Workflows for Cooperative Design), Chair: Peng Gong, Room #8

- 3087: Research of multi-model cooperative process design system
Si-zhu Zhou, Yan Liao, Yong Li, Ning Li
- 3219: Resource selection based QoS Requirements in MG workflow
Yiping Yuan, Wenlei Sun, Fengxiong
- 2943: Simplification Rules and Linear Temporal Inference of Workflow Models Based on Fuzzy-Timing Colored Petri Nets
Hui Pang, Zongde Fang
- 2886: The Cooperative Engagement System Based on Dynamic Workflow
Jun Peng, Shufen Liu, Jinyu Li, Xiaoyan Wang, Tingting Qin
- 3149: Workflow Exception Handling System Application in Hierarchical Modeling
Weili Kou, Peng Gong, Kai Cai, Jing Wang

D5: OAP-1 (Other Applications), Chair: Hwa Gyoo Park, Room #8

- 3154: Dynamic Pattern Analysis Framework for Cooperative Crime Prevention
Kelvin Leong, Junco Li, Stephen Chan, Vincent Ng
- 3234: Design and Implementation of a Collaborative Conference Management System
Cheng Zheng, Weiming Shen, Qinghua Zheng, Feng Tian
- 2852: Cooperative Dynamic Measurement System Based on XML and Web service
Zengguang Zhang, Peng Gong, Yunlei Chen, Yong Niu
- 3172: A Domain Ontology-based Navigation Learning System
Qinghua Zheng, Yanye Wang, Zhibin Huang, Feng Tian
- 3191: A Role Oriented Requirements Analysis for ERP Implementation in Medical Service Organizations
Hwa Gyoo Park

D6: OAP-2 (Other Applications), Chair: Stephen Chan, Room #8

- 2960: GIS-based Decision Supporting System in Hydraulic Simulation and Economic Analysis for Rainwater Harvesting Design
Yie-Ru Chiu, Chao-Hsien Liaw, Hsueh-Hsien Chang
- 3217: A Cooperative Assessment of the Response Capability of Emergency Organizations
Rapahel S. Santos, Marcos R. S. Borges, Jose Orlando Gomes, Jose H. Canos
- 3064: Collaboration in Scientific Visualization
Steve Casera, Peter Kropf
- 2716: A Remote Health Care System Based on Wireless Sensor Networks

Peng Zhang, Ming Chen

D7: OAP-3 (Other Applications), Chair: Qianping Wang, Room #8

2874: An Efficient Collaborative Test Data Compression Scheme Based on OLEL Coding

Wenfa Zhan

3022: Transformation of Landscape Planning and Design in Computer Supported Cooperative Work Era

Hui Yu, Hongcheng Deng, Zhenxiang Zhao, Yu Xiao

2887: Application of Improved Grey Prediction Model for Power Load Forecasting

Wei Li, Zhu-hua Han

2756: Load Recognition for Different Loads with the Same Real Power and Reactive Power in a Non-intrusive Load-monitoring System

Hsueh-Hsien Chang, Ching-Lung Lin, Hong-Tzer Yang

2898: Prototyping System of Codec for Novel 2-D Continuous Barcode

Songwen Pei, Guobo Li, Gang Chen, Baifeng Wu

3189: A Flexible Access Control Model for Workflows

Jiong Qiu, Chenhua Ma

D8: VRCD-1 (Virtual Reality for Cooperative Design), Chair: Xiangyu Wang, Room #8

2846: Non-rigid Registration Using AAM and Factorization Method for Augmented Reality Applications

Yuan Tian, Zhongyi Li, Wei Liu, Lijun Li, Tao Guan

3055: Multi-Granularity Modeling of Virtual Prototyping in Collaborative Product Design

Junjie Huang, Heming Zhang

3223: Research on Collaborative Concept Design Integrating the Application of Virtual Reality and DFMA

Justin J.Y. Lin

2744: 3D Virtual Garment Design System

Yang Liu, Shouqian Sun, Aiguo Xu

2767: Exploring Augmented Reality Benefits in Collaborative Conceptualization

Xiangyu Wang