

CSCWD 2007 Final Technical Program

April 26 -28, 2007, RACV City Club, 501 Bourke Street, Melbourne, Australia

Thursday April 26, 2007

8:00	Registration		
8:45~9:00	Opening Plenary Welcome by Honorary Conference Chair, Conference Chair, and Program Committee Chair Bourke Rooms, Level 2		
9:00~10:00	Keynote Speech by Prof. Grier Lin, University of South Australia Chair: Prof. Igor Hawryszkiewicz Bourke Rooms, Level 2		
10:00~10:30	Coffee/Tea Break (Lounge 3, level 2)		
	Bourke Room 1, Level 2	Bourke Room 2, Level 2	Bourke Room 3, Level 2
10:30~12:30	A1: CD-1	B1: CCM-1	C1: SPT-1
12:30~13:30	Lunch (Lounge 3, level 2)		
13:30~15:30	A2: CD-2	B2: CCM-2	C2: WM-1
15:30~16:00	Coffee/Tea Break (Lounge 3, level 2)		
16:00~18:00	A3: CMEB-1	B3: EL-1	C3: OAP-1
18:00~20:00	Conference Reception at Bayside Room 5, Level 2		

Friday April 27, 2007

8:00	Registration		
8:30~10:30	Keynote Speech by Prof. Thomas Kvan, University of Melbourne Keynote Speech by Dr. Anne James, Coventry University Chair: Prof. Mary Lou Maher Bourke Rooms, Level 2		
10:30~11:00	Coffee/Tea Break (Lounge 3, level 2)		
	Bourke Room 1, Level 2	Bourke Room 2, Level 2	Bourke Room 3, Level 2
11:00~12:40	A4: CMEB-2	B4: GC-1	C4: OAP-2
12:40~13:30	Lunch (Lounge 3, level 2)		
13:30~15:30	A5: DMT-1	B5: CSCWTS-1	C5: OAP-3
15:30~16:00	Coffee/Tea Break (Lounge 3, level 2)		
16:00~18:00	A6: KM-1	B6: CSCWTS-2 ISC Meeting	C6: WS-SW-1
19:00~23:00	Conference Dinner at Melbourne Aquarium (Corner of Flinders St & King St)		

Saturday April 28, 2007

8:00	Registration		
	Bourke Room 1, Level 2	Bourke Room 2, Level 2	Bourke Room 3, Level 2
8:30~10:30	A7: KM-2	B7: MAS-1	C7: WS-SW-2
10:30~11:00	Coffee/Tea Break (Lounge 3, level 2)		
11:00~12:40	A8: KM-3	B8: MAS-2	C8: CD-3

CD (Collaborative Design)
 CCM (Collaboration and Coordination Methods)
 CMEB (Collaborative Manufacturing, E-Businesses, and E-Commerce)
 CSCWTS (CSCW Techniques and Systems)
 DMT (Design Methods and Tools)
 EL (E-Learning)
 GC (Grid Computing)
 MAS (Agents and Multi-Agent Systems)
 SPT (Security, Privacy, and Trust in CSCW Systems)
 OAP (Other Applications)
 OKM (Ontology and Knowledge Management)
 WM (Workflow Management)
 WS-SW (Web Services and Semantic Web)

Keynote Presentations:

001: Beyond the Collaborative Technology: Making Beautiful Dreams Come True Virtually

Grier Lin

002: Collaborative Engagement in Multiple Design Environments

Thomas Kvan

003: Computer Supported Cooperative Work: Some Perspectives and the Hidden Web

Anne James

A1: CD-1 (Collaborative Design), Chair: Xiaoping Liu, Room 1

2515: Collaborative Design in a Tabletop System employing Tangible User Interfaces

Mi Jeong Kim, Mary Lou Maher

2516: Towards a Collaborative 3D Interaction Model for Cooperative Design in Virtual Environments

Samir Otmane, Nassima Ouramdane-Djerah, Malik Mallem

2368: Research on the Collaborative Design Technology for Airplane Tooling

Yingguang Li, Zhiyi Pan, Ruijie Yan, Wenhe Liao

2377: Model Based Information Exchange in 3D Industrial Cooperative Design

Liping Wei, Tao He, Weiqing Tang

2336: A Multidisciplinary Collaborative Design System in a Distributed Environment

Heming Zhang, Hongwei Wang, and David Chen

2352: Visual Task-driven Based on Task Precedence Graph for Collaborative Design

Xiaoping Liu, Hui Shi, Qiang Lu, Zhengqiang Mao

A2: CD-2 (Collaborative Design), Chair: Marcos R.S. Borges, Room 1

2425: Exploring an Innovative Collaborative Design Space through Mixed Reality Boundaries

Xiangyu Wang

2389: A Computer Supported Cooperative System for Drilling Rig Design

Sizhu Zhou, Ning Li, Yan Liao

2523: Information Maturity Approach for the Handling of Uncertainty within a Collaborative Design Team

Khadidja Grebici, Yee Mey Goh, Sunny Zhao, Eric Blanco, Chris McMahan

2522: An Observation Model for the Collaborative Analysis of Real Workplaces

Renata Guanaes Machado, Marcos R. S. Borges, Stephanie Guerlain, José Orlando Gomes

2584: Organization-Oriented Simulation of Collaborative Product Development Process Based on Designer's Agent Model

Yu Yang, Lijun Song, Xiaodong Zhang

A3: CMEB-1 (Collaborative Manufacturing, E-Businesses, & E-Commerce), Chair: Dunbing Tang, Room 1

2579: Automating Web Service Composition for Collaborative Business Processes

Lihui Lei, Zhenhua Duan

2447: Computer-Mediated Communication in Consumer Product Development: A Case Study

Suqin Men, Ying Yang, Tian Lei

2385: The Development of Intelligent Retrieval Algorithm Ontology-based and its Application in Bearing Production Information System

Yanwei Zhao, Jingling Zhang, Bin Guan, Jian Hu, Wanliang Wang

2568: Heterogeneous Information Processing and Integration Method Research in Enterprise Management Information Systems

Peng Gong, Chi Yang, Dongping Shi

A4: CMEB-2 (Collaborative Manufacturing, E-Businesses, & E-Commerce), Chair: Xiangxu Meng, Room 1

2293: Collaborative Supplier Integration for Automotive Product Design and Development

Dunbing Tang

2439: Research on Semantic Attributes Based Partner Selection in Virtual Manufacturing Enterprises

Wei Cui, Xiangxu Meng, Shijun Liu

2537: People in Network, Collaboration for Action: New Supporting Requirements

Renata M. Araujo, Erick A. Rezende, Thiago S. Andrade, Victor M. Chaves, Mauro G. Lopes

2478: Supporting Rapid Enterprise Information System Development: Key Issues and Infrastructure Construction

Bo Jing, Jinlei Jiang, Meilin Shi

A5: DMT-1 (Design Methods and Tools), Chair: Kuo-Ming Chao, Room 1

2525: Application of an Integrated Design System based on a FE Modeling Support System to Assess Fatigue Durability of Automobile Suspension Modules

Seungho Han, Jaikyung Lee, Taehee Lee, Kwangsub Jang, Taewoo Kwon

2531: Large Scale Decision Making in Participatory Environmental Design

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

2597: Enrichment of the Visual Experience by a Wider Choice Of Projections

Benoit Beckers, Luc Masset & Pierre Beckers

2583: An Effective Chromosome Representation for Optimising Product Quality

Chen-Fang Tsai, Kuo-Ming Chao

2322: Computer Aided Design of Automotive Headlamps

Jaroslav Wilk, Janusz Mazur

2493: A Preliminary Study on Product Family DNA in Industrial Design

Shangshang Zhu, Shijian Luo

A6: KM-1 (Ontology and Knowledge Management), Chair: Debbie Richards, Room 1

2298: Ontological Approach for E-Services

Li Li and Yun Yang

2560: Research on Driving Knowledge Expert System of Distributed Vehicle Driving Simulator

Yanfang Yang, Jiquan Hu, Dingfang Chen

2589: Research on Ontology-based Integrated Product modeling in Multidisciplinary Collaborative Environment

Yi-Chao Lou, Lan-Fen Lin, Jin-Xiang Dong

2582: A Collaborative Approach to Requirements Elicitation

Viviane Laporti, Marcos R. S. Borges, Vanessa P. Braganholo

2284: Bitemporal Extension and Mapping of XML Data Model

Na Tang, Yong Tang, MiaoMiao Cai

A7: KM-2 (Ontology and Knowledge Management), Chair: Amy J.C. Trappey, Room 1

2340: Collaborative Knowledge Engineering: Socialising Expert Systems

Debbie Richards

2558: Supporting Decision Making in CSCW Design

Phil Thompson, Rahat Iqbal, Anne James

2394: Collaborative Requirement Management System Developed for CMMI-Coherent Software Engineering

Justin J.Y. Lin and Yung-Sung Lin

2511: A knowledge model to read 3D annotations on a virtual mock-up for collaborative design

Stéphane Aubry, Indira Thouvenin, Dominique Lenne, Jérôme Olive

2548: Enabling Involving Global Cooperative Software Design with Layered Knowledge Management Platform

Bin Xu

2337: Integrate Collaborative Project and Intellectual Asset Management for IC Design Industry

David W. Hsiao, Amy J.C. Trappey, Lin Ma, Pei-Shun Ho

A8: KM-3 (Ontology and Knowledge Management), Chair: Milton Pires Ramos, Room 1

2563: Use of Space and Time Information for Context Identification

Rafael Studart Monclar, Jonice Oliveira, Jano Moreira de Souza

2299: Fuzzy Classification for Manufacture Design Documents Based on Domain Ontology and Document Structure Tagging

Ning Gu, Zhihong Liu, Tun Lu

2596: Design of a Measurement System of End-User Information Competency and its Application to a Case Study

Chui Young Yoon

2562: Customer Relationship Management in Universities and Research Centres

Melissa Machado, Jonice Oliveira, Jano M. de Souza

B1: CCM-1 (Collaboration and Coordination Methods), Chair: Jinian Bian, Room 2

2456: Conflict Resolution for User-Selected Names in Collaborative Systems

Simone Lupetti, Feike W. Dillema and Torge Stabell-Kulø

2501: Real-time Conflict Detection Using Prior Knowledge and Context in CSCW Plant Design System

Nianfeng Shi, Weiqing Tang, Tao He, Yucheng Ye

2416: Multi-group Cooperation Support for Software Design Process

Lizhen Cui, Xiaoguang Hong, Haiyang Wang, Xinjun Wang, Yongping Wang

2324: Non-Photorealistic Rendering in Customizable Styles for Mobile Collaboration

Rong-Qin Chen, Min Tang, Jin-Xiang Dong

B2: CCM-2 (Collaboration and Coordination Methods), Chair: Lianguan Shen, Room 2

2356: A Fast Custom Instructions Identification Algorithm based on Basic Convex Pattern Model for Supporting ASIP Automated Design

Kang Zhao, Jinian Bian, Sheqin Dong

2358: Improving Visual Awareness by Real-Time 2D Facial Animation for Ubiquitous Collaboration

Bo Jiang, Jiajun Bu, Chun Chen

2410: Active Authorization Management for Multi-domain Cooperation

Yuqing Sun, Bin Gong, Xiangxu Meng, and Zongkai Lin

2533: A Framework for Adaptive Negotiation in Multi-Agent Systems

Zhan Zhang, Hamada Ghenniwa, Weiming Shen

B3: EL-1 (E-Learning), Chair: Qinghua Zheng, Room 2

2319: Personalized Web Service Composition Model for Non-diploma Distance Learning

Tao Zhou, Xiaolin Zheng, Deren Chen

2311: Personalized Learning Strategies in an Intelligent e-Learning Environment

Feng Tian, Qinghua Zheng, Zhiyong Gong, Jin Du, Renhou Li

2351: Assessing Method for E-Learner Clustering

Qinghua Zheng, Jiao Ding, Jin Du, Feng Tian

2360: A Learning Management System with Knowledge Management Capability for Collaborative Learning

Hsuan-Hung Chen, Kim-Joan Chen, Yuan-Sun Chu, Wan-Jen Chang, and Ming-Jen Chen

2363: Survey and Analysis about the Level of Teachers' Abilities of Using Information and Communication Technology

SunJu Park, DaeSung Ma, Chul Kim, JeongRang Kim

2542: A Framework like a Tool for Specify Motivating Collaborative Learning Participatory Simulations

Gustavo Zurita, Nelson Baloian, Felipe Baytelman, Antonio Farias, Pedro Antunes

B4: GC-1 (Grid Computing), Chair: Jano M. de Souza, Room 2

2323: Time Based Activity Profiles to Recommend Partnership in a P2P Network

Adriana S. Vivacqua, Carlos Eduardo R. de Mello, Diogo K. de Souza, João A. de Avellar Menezes, Leandro C. Marques, Marcos S. Ferreira, Jano M. de Souza

2391: The Design and Implementation of a GMA based Grid Monitoring Service

Jianbo Shen, Bin Gong, Yi Hu, Sha Li

2474: A Prediction-based Two-Stage Replica Replacement Algorithm

Tian Tian, Junzhou Luo

2475: An Application Demand aware Scheduling Algorithm in Heterogeneous Environment

Jie Lin, Bin Gong, Hui Liu, Chaoying Yang, Yuhui Tian

2357: Study on Ontology-based Web Services Discovery

Qizhi Qiu, Qianxing Xiong, Yanfang Yang, Fang Luo

B5: CSCWTS-1 (CSCW Techniques and Systems) Chair: Ruizhong Wei, Room 2

2535: Capturing Context about Group Design Processes

Vanessa Tavares Nunes, Flávia Maria Santoro, Marcos R.S. Borges

2300: Separating Data and View: Support View-wandering between Different Trades during Engineering Design

Liping Gao, Bin Shao, Ning Gu

2313: A Caching System for XML Queries Using Frequent Query Patterns

Yijun Bei, Gang Chen, Tianlei Hu, Jinxiang Dong

2345: Technical Strategies for Supporting the Evolution of Collaboration

Igor T. Hawryszkiewicz

2316: Accelerating Parent-Child Path Matching in XML

Feng Shao, Gang Chen, Lihua Yu, Yijun Bei, Jinxiang Dong

2361: A Model Driven based Aspect Oriented Model Weaving Framework for Distributed System

Xiaoyan Wang, Shufen Liu, Shuqiu Li

B6: CSCWTS-2 (CSCW Techniques and Systems), Chair: Pedro Antunes, Room 2

2374: Efficient Rejoining for Ubiquitous Collaborative Graphics Editing Systems

Bo Jiang, Jiajun Bu, Can Wang, Chun Chen

2538: ACCM: a New Architecture Model for CSCW

Nabil Elmarzouqi, Eric Garcia, Jean-Christophe Lapayre

2547: A Flexible, Lightweight Middleware Supporting the Development of Distributed Applications across Platforms

Nelson Baloian, Gustavo Zurita, Pedro Antunes, Felipe Baytelman

B7: MAS-1 (Agents and Multi-Agent Systems), Chair: Anne James, Room 2

2460: Enhancing Intelligence of Personal Assistant Agent Using Memory Mechanism

Ke-Jia Chen, Jean-Paul Barthès

2309: The Use of Intelligent Agents to Improve a Web Interface Interaction and its Usability

Benedito Cristiano Aparecido Petroni

2458: Modeling Community of Practices Using Intelligent Agents

Clauvice Kenfack

2534: Coppeer Documents: An Agent Based Approach to Collaborative and Incremental Development of Document Oriented Peer-to-peer Systems

Mutaleci Miranda, Geraldo Xexeo, Jano Moreira de Souza

2510: Dynamic Change of a Multi-Agent Workflow for Patent Invention Using a Utility Function

Szu-Yin Lin, Bo-Yuan Chen, Hsien-Tzung Wu, Von-Wun Soo, and C.C. Ku

2559: Ontological Model for Exception Management in Open Multi-Agent Systems

Nazaraf Shah, Rahat Iqbal, Anne James, Jawed Siddiqi, Babak Akhgar

B8: MAS-2 (Agents and Multi-Agent Systems), Chair: Jun Yan, Room 2

2591: Information Discovery Delay Analysis of a Mobile Agent-Based Dynamic Information Service System

Iftikhar Ahmed, Nor Azlie

2467: An Agent-based Framework for Service Level Agreement Management

Qiang He, Jun Yan, Ryszard Kowalczyk, Hai Jin, Yun Yang

2472: An e-Engineering Framework Based on Service-Oriented Architecture and Agent Technologies

Seung Hak Kuk, Il Noh Oh, Hyeon Soo Kim, Jai-Kyung Lee, and Seong-Whan Park

2483: Development of Engineering Framework and Portal for the Integration of Cooperative Engineering Processes

Jai-Kyung Lee, Seong-Whan Park, Hyeon Soo Kim

2278: Prototyping an Agent-Based Distant Manufacturing Control System

Kung-Jeng Wang

C1: SPT-1 (Security, Privacy, and Trust in CSCW Systems), Chair: José A. Pino, Room 3

2461: Exception Resolution Service for RBAC systems

R. Wei and K. Wu

2459: A Strategy to Automatically Feed OMS and Implement Information Privacy

Sergio F. Ochoa, Valeria Herskovic, José A. Pino

2470: Digital Identity Design and Privacy Preservation for e-Learning

Jianming Yong

2492: A Trust Degree Based Access Control for Multi-domains in Grid Environment

Xudong Ni, Junzhou Luo, Aibo Song

2469: Cooperative Intrusion Detection Model Based on Scenario

Shaohua Teng, Wei Zhang, Xiufen Fu, Wenwei Tan

2462: Towards Reputation Systems applied to Communities of Practice

Claudia C. P. Cruz, Maria Teresa A. Gouvêa, Claudia L. R. Motta, Flávia M. Santoro

C2: WM-1 (Workflow Management), Chair: Leonid Sheremetov, Room 3

2521: A Workflow Simulation Framework Based on Multi-agent Cooperation

WenAn Tan, Song Li, AnQiong Tang, Weiming Shen

2384: Cost Optimization Method for Workflows with Deadline Constraints in Grids

Yingchun Yuan, Xiaoping Li, Qian Wang, Xia Zhu

2495: Supporting Mobile Workflow with Active Entities

Andrés Neyem, Dario Franco, Sergio F. Ochoa, José A. Pino

2329: Study of Complex Loop Patterns based on Time Petri Net

Qiang Liu, Jin He

2585: Research on CSCW-Based Workflow Management System Application

Xiufen Fu, Junfeng Hu, Shaohua Teng, Boxing Chen, Changyao Chen

2602: Knowledge-based Collaborative Engineering of Pipe Networks in the Upstream and Downstream Petroleum Industry

Leonid Sheremetov, Ildar Batyrshin, Manuel Chi, Eduardo Vergara, Arturo Rosales

C3: OAP-1 (Other Applications), Chair: Seong-Whan Park, Room 3

2281: Design a Neural Network for Features Selection in Non-intrusive Monitoring of Industrial Electrical Loads

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

2413: Integration of Multivariate Control Charts and Neural Networks to Determine the Faults of Quality

Characteristic(s) in a Multivariate Process

Yuehjen E. Shao, Chien-Ho Wu, Bin-Yih Ho and Bo-Sheng Hsu

2334: A Kind of Composite Genetic Algorithm Based on Extreme Pre-Judgement

Fachao Li, Limin Liu, Chenxia Jin

2359: Hybrid Heuristic for Total Flowtime Minimization in No-wait Flow Shops

Xia Zhu, Xiaoping Li, Qian Wang

2590: Graph-based midsurface extraction for finite element analysis

Hanmin Lee, Yong-Youn Nam, Seong-Whan Park

2581: Investigating Key Factors of Deciding RFID's Adoption in Logistics Service Providers

Yung-Hsiang Cheng, Ann Shawing Yang

C4 : OAP-2 (Other Applications), Chair: Hwa Gyoo Park, Room 3

2545: Using Knowledge Management Techniques to Improve the Learning Process through the Exchange of Knowledge Chains

Juliana Lucas de Rezende, Jano Moreira de Souza

2500 : Efficient Collaborative Task Arrangement in Global Software Design via Micro-Estimation and PERT Technique

Bin Xu, Hua Hu Yun Ling, Xiaohu Yang, Zhijun He, Albert Ma

2430: Online Hybrid Task Scheduling in Reconfigurable Systems

Liang Liang, Xue-Gong Zhou, Ying Wang, Cheng-Lian Peng

2387: Research and Development of Distributed Interactive Vehicle Simulation System for Driving Training

Niandong Yin, Dingfang Chen

2517: A Modeling Architecture for Collaborative Medicine Systems

Hwa Gyoo Park

C5: OAP-3 (Other Applications), Chair: Xiaoping Li, Room 3

- 2386: IALM: an Interaction-enable Application Layer Multicast Protocol for Live Teaching
Weizhan Zhang, Qinghua Zheng, Hao Ying, Wenjiang Liu, Yi Che
- 2382: Knowledge-Oriented Answer Extraction in Chinese Question Answering System for E-Learning
Qinghua Zheng, Zhenhua Tian, Yanye Wang
- 2505: Towards a Trust Management Model for E-travel
Wenjing Cui, Haiyang Wang, Qi Sui, Lizhen Cui
- 2471: A Framework of Agent-Based Collaborative Intelligent Transport System
Xiaonan Liu, Zhiyi Fang, Guannan Qu, Hongjun Yang, Tong Pan
- 2333: A JADE-based Autonomous Workflow Management System for Collaborative IC Design
Ching-Jen Huang, Charles V. Trappey, C. C. Ku
- 2366: Web Service Based Method for Large Scale Flow Shops with Flowtime Minimization
Yi Zhang, Xiaoping Li, Qian Wang

C6: WS-SW-1 (Web Services and Semantic Web), Chair: Tangqiu Li / Rahat Iqbal, Room 3

- 2426: Automatic Composition of Web Services Based on Rules and Meta-Services
Hui Li, Haiyang Wang, Lizhen Cui
- 2405: An Extended Matching Method for Semantic Web Service in Collaboration Environment
Tiangang Dong, Qingzhong Li, Kangkang Zhang, Lizhen Cui
- 2417: Service-Oriented Integration of Industrial Simulation Codes
Lei Wu, Xiangxu Meng, Shijun Liu, Yuchang Jiao, Min Wei, Lei Meng
- 2388: Adaptive Real-Time Computation Coordination for the Web Services Based Computing Architecture
Min-Jen Tsai and Chen-Sheng Wang
- 2338: A Service Oriented Paradigm to Support Collaborative Product development
Hongwei Wang, Heming Zhang, Shihwei Liao
- 2465: Time Management for Web Service Composition
Fuwei Fan, Ying Li, Shuiguang Deng

C7: WS-SW-2 (Web Services and Semantic Web), Chair: Yinsheng Li, Room 3

- 2411: An Integration Life Cycle for Semantic Web Services Composition
Muhammad Ahtisham Aslam, Jun Shen, Sören Auer, Michael Herrmann
- 2432: JTang Synergy: A Service Oriented Architecture for Enterprise Application Integration
Hanwei Chen, Jianwei Yin, Lu Jin, Ying Li, Jinxiang Dong
- 2530: Service-Oriented and Collaborative Portal for Digital Cities
Jiaxing Li, Yinsheng Li, Xiaohua Lu
- 2331: WGWSOA: A Service-Oriented Middleware Architecture to support Groupware Interoperability
Rita Suzana P. Maciel, José Maria N. David
- 2600: Product Data Modeling for Design Collaboration
Jian Xun Wang, Ming Xi Tang
- 2282: A Web-based Learning Platform for Measuring and Circuit Practice in Part Design Course of Automotive Electric
Janus S. Liang

C8: CD-3 (Collaborative Design), Chair: Lai-Chung Lee, Room 3

- 2379: Collaborative Teamwork Exploring the Development of Mass-customizable Next-to-skin Apparel
Patrick Kinnicutt, Tanya Domina, Terence Lerch and Maureen MacGillivray
- 2513: An Interactive Graph Visualization for Handling Cooperative Design Activity Context
Gilles Halin
- 2552: A Synchronous Collaborative Environment for Engineering Design Education
Lianguan Shen, Yu Hao, Mujun Li, Wei Zhao, Jinjin Zheng
- 2572: Behavior Analysis between Paper Sketching and Interactive Pen Display Sketching in Collaborative Design
Lai-Chung Lee, Whei-Jane Wei
- 2594: Development of Evaluation System for Management of Collaborative Information System in Mould Company
Yongju Cho, Changho Lee, Choonseong Leem, Honzong Choi