

7th IEEE International Conference on E-Commerce Technology

Tentative Program

(W) - Workshop, (F) - Full Paper Session, (S) - Short Paper Session, SC - Session Chair, (BPC) - Best Paper Candidate

July 19th, 2005 (Tuesday)		
CEC 05 Workshops and Conference Reception		
8.00-9.00 am	Workshop and Conference Registration (whole day), Coffee, Drinks Workshop: On Theresianum Second Floor Registration: Foyer Theresianum	
9.00-10.30 am	Room 4	Room 7
	Service-oriented Solutions (W)	Business Transformation (W)
	<i>Trust and Transaction: Aspects of Trusted and Secure VO Management in Service Oriented Architectures</i> A. Svirkas, A. Arenas and M. Wilson	<i>Enterprises (as) System (tentative title)</i> B. Rouse
	<i>Towards Transactional Web Services</i> B. Schmit and S. Dustdar	<i>Future Research Challenges in Business Agility Time, Control and Information Systems</i> M. Strohmaier
	<i>Implementing Web Service Protocols in SOA: WS-Coordination and WS-BusinessActivity</i> F. Vogt, S. Zambrovski, B. Gruschko and P. Furniss	<i>A Framework for implementing Business Agility through Knowledge Management Systems</i> N. Ashrafi
		<i>Total Cost of Ownership: Issues around Reducing Cost of Support in a Manufacturing Organization Case</i> J. O' Neill
	Room 5	Room 6
	Mobile Commerce & Service (W) Session 1: M-commerce Applications and Services	Mobile Commerce & Service (W)
	<i>User Expectations for Simple Mobile Ubiquitous Computing Environments</i> M. Cristina Brugnoli, J. Hamard and E. Rukzio	
	<i>A Roadmap to Ambient e-Service</i> Y. Hwang and S. Yuan	
<i>Developing Mobile Services: Balancing Customer and Network Value</i> H. Bouwman, T. Haaker and E. Faber		
10.30-10.45 am	Coffee Break Location: Foyer Theresianum	
10.45-12.15 am	Room 4	Room 7
	Service-oriented Solutions (W)	Business Transformation (W)
	<i>Comparison of Two Distinctive Model Driven Web Service Orchestration Proposals</i> K. Pfadenhauer, S. Dustdar and B. Kittl	<i>Agility = Change + Coordination</i> N. Caswell
	<i>Integrating service-oriented technologies to support business processes</i> A. Botta	<i>Towards a service agility assessment Modelling the composition and coupling of modular business services</i> T. Boehman
	<i>A Categorization of Collaborative Business Process Modeling Techniques</i> S. Roser and B. Bauer	<i>Experience-Driven Business Agility</i> M. Stolze
	<i>Discussion: Aspects of Business Agility -> formation of working groups (3 groups)</i>	

	Room 5	Room 6
	Mobile Commerce & Service (W) Session 2a: Location and Context-aware M-commerce Services	Mobile Commerce & Service (W) Session 2b: Wireless Security Problems and Solutions
	<i>Humancentric Applications of RFID Implants: The Usability Contexts of Control, Convenience and Care</i> A. Masters and K. Michael	<i>Behavioral Pattern Analysis of Secure Migration and Communications in eCommerce using Cryptographic Protocols on a Mobile MAS Platform</i> S. Pozo, R. Gasca and R. Guerrero
	<i>Benchmarking Wireless LAN Location Systems</i> M. Wallbaum and S. Diepolder	<i>Using the GSM/UMTS SIM to Secure Web Services</i> J. MacDonald and C. Mitchell
	<i>A Multi-Sensor System for Mobile Services with Vision Enhanced Object and Location Awareness</i> P. Luley, A. Almer, C. Seifert, G. Fritz and L. Paletta	<i>Analysis and Modification of ASK Mobile Security Protocol</i> I. Kim and J. Choi
		<i>Security Challenges of Location-Aware Mobile Business</i> E. Tatti, D. Stegemann and S. Lucks
12.15-1.15 pm	Lunch Location: Mensa of TUM	
1.15-2.45 pm	Room 4	Room 7
	Service-oriented Solutions (W)	Business Transformation (W)
	<i>Discovery Design and Implementation of a Service-oriented Business Rules Broker</i> F. Rosenberg and S. Dustdar	<i>Working groups create presentation relating to their aspect of Business Agility</i>
	<i>Semantic Discovery Optimization: Matching Composed Semantic Web Services at Publishing Time</i> A. Friesen and M. Altenhofen	
	<i>Service Allocation for Composite Web services Based on Quality Attributes</i> S. Esmaeilsabzali and K. Larson	
	Room 5	Room 6
	Mobile Commerce & Service (W) Session 3a: Mobile Payment	Mobile Commerce & Service (W) Session 3b: Wireless Multimedia Technologies and Platforms
	<i>The Efficiency of Decreasing Payment Amounts in Mobile Commerce and Ubiquitous Computing</i> D. Gille	<i>m-Mag: The Mobile Magazine Services Platform</i> T. Pfeifer and B. Downes
	<i>P2P-Paid: A Peer-to-Peer Wireless Payment System</i> J. Gao, K. Edunuru and J. Cai	<i>Personalization of End User Software on Mobile Devices</i> T. Blechschmidt, C. Kuhmünch, L. Mehrmann and T. Wieland
	<i>Analyzing the Application of E-Commerce in Wireless Networks</i> K. Hyun-Seok, K. Il-Gon and J. Choi	<i>Solution for Hybrid Bandwidth Variation in Wireless Video Environments</i> Z. Li, B. Wu, Y. Zhang and Z. Zhang
2.45-3.00 pm	Coffee Break Location: Foyer Theresianum	

	Room 4	Room 7
	Service-oriented Solutions (W)	Business Transformation (W)
	<i>Cerere: an information system supporting traceability in the food supply chain</i> M. Cimino, B. Lazzerini and F. Marcelloni	<i>Presentation and discussion of WG 1 results</i>
	<i>Automating the change mangament process with electronic contracts</i> A. Keller	<i>Presentation and discussion of WG 2 results</i>
	<i>Requirements and Change Management An Early Requirements Analyzing and Modeling Approach for Collaborative Product Commerce</i> Z. Liu and T. Wang	<i>Presentation and discussion of WG 3 results</i>
3.00-4.30 pm		<i>Closing discussion, Action Items, Next Steps</i>
	Room 5	Room 6
	Mobile Commerce & Service (W) Session 4a: Service Platforms for Supporting M-commerce	Mobile Commerce & Service (W) Session 4b: Mobile Advertising
	<i>A Profit Maximizing Distribution Strategy for Context-aware Services</i> T. Buchholz, I. Hochstatter and C. Linnhoff-Popien	<i>Comparison of Different Approaches for Mobile Advertising</i> R. Bulander, M. Decker, G. Schiefer and B. Kölmel
	<i>LOC3 - Architecture Proposal for Efficient Subscriber Localisation in Mobile Commerce Infrastructures</i> A. Albers, S. Figge and M. Radmacher	<i>Policy-based Adaptive Services for Mobile Commerce</i> E. Rukzio, S. Siorpaes, O. Falke and H. Hussmann
	<i>The Design of a Personal and Intelligent Pervasive-Commerce System Architecture</i> K. Lin, T. Yu and C. Shih	<i>Mobile Price Comparison Services</i> T. Brüggemann and M. Breitner
4.30-6.00 pm	Break Location: Audimax	
6.00-8.00 pm	CEC Opening / Tag der Wirtschaftsinformatik Keynote: <i>The Impact of Services on E-Commerce</i> by Stuart Feldman, PhD (IBM Research)	
8.00-9.00 pm	Reception with Beer and Finger Food Exhibition WI@TUM Music: Jo Junghanss Location: Foyer Audimax	

July 20th, 2005 (Wednesday) CEC 05		
8.00-8.50 am	Registration, Coffee Location: Foyer Theresianum or AudiMax	
8.50-10.15 am	Room 1 Keynote: Enterprise Services Architecture & Semantic Web Services by Prof. Heuser (SAP)	
10.15-10.30 am	Coffee, Break Location: Foyer Theresianum	
	Room 1	Room 2
	Auction and Negotiation Technology I (F) SC: Per Carlsson	Security, Privacy and Trust Issues I (F) SC: Blerim Rexha
	<i>Design of Progressive Auctions for Procurement Based on Lagrangian Relaxation</i> S. Kameshwaran, L. Benyoucef and X. Xie	<i>An Optimization Model for the Management of Security Risks in Banking Companies</i> U. Faisst and O. Prokein
	<i>An Auction Mechanism for Polynomial-Time Execution with Combinatorial Constraints</i> A. Andersson, J. Holmström and M. Willman	<i>TrustDavis: A Non-Exploitable Online Reputation System</i> D. DeFigueiredo and E. Barr (BPC)
10.30-12.00 am	<i>A Framework for Computing the Outcome of Proxied Combinatorial Auctions</i> J. Zhong and P. Wurman (BPC)	<i>The Evolution of Cooperation under Cheap Pseudonyms</i> M. Feldman and J. Chuang
	Room 3	Room 4
	Web Services Computing and Composition I (S) SC: Liliana Cabra	TCEC ExCom meeting (by invitation)
	<i>Design and Evolution of e-Business Models</i> M. Weiss and D. Amyot	
	<i>Ambient iCare e-Services for Quality Aging : Framework and Roadmap</i> W. Chang and S. Yuan	
	<i>Integration of Business Processes with Autonomous Information Systems: A Case Study in Government Services</i> J. Ferreira, O. Takai and C. Pu	
12.00-1.00 pm	Lunch Location Mensa of TUM	
	AudiMax	
1.00-2.30 pm	Panel: Research in E-Commerce and Enterprise Computing: E-Services and Beyond Chair: Kwei-Jay Lin (UC Irvine) Participants: Umesh Dayal (HP Research), Stu Feldman (IBM Research), Lutz Heuser (SAP), Ramayya Krishnan (CMU) and John Riedl (Univ. of Minnesota)	
2.30-2.45 pm	Coffee Break Location: Foyer Theresianum	
2.45-4.15 pm	Room 1	Room 2
	Auction and Negotiation Technology II (F) SC: Amir Ronen	Security, Privacy and Trust Issues II (F) SC: Katrin Lehmann
	<i>An Adaptive Bilateral Negotiation Model for E-Commerce Settings.</i> V. Narayanan and N. Jennings	<i>Increasing User Privacy in Online Transactions with X.509 v3 Certificate Private Extensions and Smartcards</i> B. Rexha
	<i>Negotiation Support in Online Markets, with Competition and Co-operation</i> R. Ananthanarayanan and M. Kumar	<i>Enabling Persistent Service Links</i> L. Lowis and A. Hohl
	<i>A Flexible Model for Tree-Structured Multi-Commodity Markets</i> P. Carlsson and A. Andersson (BPC)	<i>Trustworthy E-mail Using Secure XML Web Services</i> S. Taylor and P. Watters

		Room 3	Room 4
		Web Services Computing and Composition II (S) SC: Peter Wurman	Tutorial: Privacy in E-Commerce
		Business Rules Integration in BPEL - A Service-Oriented Approach F. Rosenberg and S. Dustdar	
		Towards an Integrated Privacy Framework for HIPAA-Compliant Web Services V. Cheng and P. Hung	
		Semantic Web Service Composition in IRS-III: The Structured Approach F. Hakimpour, D. Sell, L. Cabral, J. Domingue and E. Motta	
4.15-4.30 pm		Coffee Break Location: Foyer Theresianum	
		Room 1	Room 2
		Auction and Negotiation Technology III (F) SC: Henner Gimpel	Web Services Computing and Composition (F) SC: Koichi Hayashi
		Truthful Online Auctions for Pricing Peer-to-Peer Service P. Chen and T. Chuang	Creating Value with Interactive Pricing Mechanisms // A Web Service-Oriented Architecture M. Bernhardt and O. Hinz
		An Auction for Scheduling Delivery of Highly Demanded Products S. Korrapati and P. Wurman	A Semantic Web based Architecture for Analytical Tools D. Sell, L. Cabral, E. Motta, J. Domingue, F. Hakimpour and R. Pacheco
4.30-6.00 pm		A Novel Auction Mechanism for Selling Time-Sensitive E-Services J. Lee and B. Szymanski (BPC)	Policy-Driven Exception-Management for Composite Web Services L. Zeng, B. Benatallah, H. Lei, J. Jeng and J. Chung
		Room 3	Room 4
		Transaction and Workflow Management (S) SC: Yun Yang	Tutorial: Privacy in E-Commerce
		Contract-Based Cross-Organizational Automated Processes O. von Susani and P. Dugerdil	
		Calculation of Delay Times for Workflows with Fixed-Date Constraints M. Bierbaumer, J. Eder and H. Pichler	
		Synchronization among activities in a workflow using extended workflow Petri nets Y. Kotb and E. Badreddin	
7.00-10.00 pm		Ratskeller München	
		CEC Banquet Keynote: <i>The Power of Business Processes in E-Commerce</i> by Prof. Scheer (German Research Center for Artificial Intelligence)	

July 21st, 2005 (Thursday) CEC 05			
8.30-8.50 am	Coffee Break Location: Foyer Theresianum		
8.50-10.15 am	Room 1 Keynote: <i>Recommenders for Commerce, Content, and Community</i> by Prof. Riedl (Univ. of Minnesota)		
10.15-10.30 am	Coffee Break Location: Foyer Theresianum		
		Room 1	Room 2
		Supply Chain Management and Planning (F) SC: Christian Huemer	E-Commerce Architectures and Enabling Technologies I (F) SC: Andreas Wombacher
		Supply Chain Protocolling B. Wu, M. Dewan, L. Li and Y. Yang	Cross Enterprise Business Modelling with AC Diagrams and Workflow Patterns S. Wu and K. Lin
		Unicursal Supply Chain Management for Extending Traceability from Ordering to Distribution and Settlement K. Hayashi and R. Murakami (BPC)	e-Business Standardisation in the Automotive Industry - Two Approaches Towards the Integration of SMEs M. Gerst and K. Jakobs
		A Groves Mechanism Approach to Decentralized Design of Supply Chains D. Garg, Y. Narahari, E. Foster, D. Kulkarni and J. Tew	
10.30-12.00 am		Room 3	Room 4
		Auction and Negotiation Technology I (S) SC: Stefan Kirm	-
		Multi-Attribute Double Auctions in Financial Trading H. Gimpel, J. Mäkiö and C. Weinhardt	
		Framework for the negotiation of electronic contracts in e-business on demand W. Streitberger	
		Automated Contract Negotiation Using a Mediation Service H. Tung and R. Lin	
		Managing Supply Chains of Software as a Service through Agents Negotiations J. Chen, N. Gold, N. Mehandjiev and P. Layzell	
12.00-1.00 pm	Lunch Location Mensa of TUM		
1.00-2.30 pm	Room 1	Room 2	
		Decision Support and Recommender Systems (F) SC: Dalu Zhang	E-Commerce Architectures and Enabling Technologies II (F) SC: Vural Ünü
		Koba4MS: Selling Complex Products and Services using Knowledge-based Recommender Technologies A. Felfernig	Evaluating E-commerce Cluster Architectures Using Simulation A. Boyer, D. Siewiorek and B. Brügge
		A Recommender for Targeted Advertisement of Unsought Products in E-Commerce K. Lin, J. Hsu, H. Huang and C. Hsu	Query-By-Object Interface for Information Requirement Elicitation in M-Commerce S. Abd Rahman, S. Bhalla and T. Hashimoto
		Towards Generic Low Payment Mechanisms for Decentralized Task Allocation A. Ronen and R. Talisman	Enabling DRM-preserving Digital Content Redistribution S. K. Nair, B. Popescu, C. Gamage, B. Crispo and A. Tanenbaum

	Room 3	Room 4
	Auction and Negotiation Technology II (S) SC: Kwei-Jay Lin	Tutorial: P2P Systems - Technical and Economic Foundations
	<i>Design and Development of an Anthropocentric Negotiation Model</i> M. Masvoula, G. Kontolemakis, P. Kanellis and D. Martakos	
	<i>Implementing Privacy Negotiation Techniques in E-Commerce</i> S. Preibusch	
	<i>Design of Combinatorial Auctions for Allocation and Procurement Processes</i> M. Schwind	
	<i>Electronic Contracts for Negotiation Support Systems: Challenges, Design and Implementation</i> A. Jertila and M. Schoop	
2.30-2.45 pm	Coffee Break Location: Foyer Theresianum	
	Room 1	Room 2
	Marketing and Advertising Technology (F) SC: Katrin Gaßner	Industry Paper Session SC: Markus Stolze
	<i>The intelligent e-store: easy interactive product selection and comparison</i> G. Sacco	<i>Implementing a RosettaNet Business-to-Business Integration Platform using J2EE and WebServices</i> J. Tikkala, P. Kotinurmi and T. Soininen
	<i>Modeling Cooperative Business Processes and Transformation to a Service Oriented Architecture</i> T. Specht, J. Drawehn, M. Thränert and S. Kühne	<i>A Personalized Product Recommendation Algorithm Based on Preference and Intention Learning</i> Y. Guo and J. Müller
	<i>Using Singular Value Decomposition Approximation for Collaborative Filtering</i> S. Zhang, W. Wang, J. Ford, F. Makedon and J. Pearlman (BPC)	<i>Developing Flexible Service Portals</i> B. Liver, J. Braun, B. Rentsch and P. Roth
	Room 3	Room 4
	Automated Contracting and Trading (S) SC: Mareike Schoop	Tutorial: P2P Systems - Technical and Economic Foundations
	<i>Influence of Ubiquitous Computing on Organizational Structure</i> M. Strasser	
	<i>Enhancing E-Business-Intelligence-Service: A Topic-Guided Text Summarization Framework</i> S. Liu	
	<i>An Automatic Electronic Contract Document Signing System in a Secure Environment</i> T. Kwok and T. Nguyen	
4.15-4.30 pm	Coffee Break Location: Foyer Theresianum	

	Room 1	Room 2
	Automated Contracting and Trading (F) SC: Rema Ananthanarayanan	E-Commerce Architectures and Enabling Technologies III (F) SC: Kai Jakobs
	<i>Pareto-Efficiency without Giving-In: A Two-Phased Protocol for Multiple-Attribute Negotiations</i> F. Lang and C. Brunn	<i>Supporting eBusiness with a dictionary designed in a vertical standardisation perspective</i> P. De Sabbata, N. Gessa, G. Cucchiara, T. Imolesi and F. Vitali
	<i>Catalog-Based Purchasing: Illustrating a Quantitative Approach to Electronic Commerce</i> B. Golany and O. Shmueli	<i>Push Concepts to Control Interactions in E-commerce</i> S. Robra-Bissantz and A. Zabel
4.30-6.00 pm		<i>Collaborative Gift Registry in Multi-Channel Retail Commerce</i> Y. Liu, J. Yih and F. Pinel
	Room 3	Room 4
	Decision Support and Recommender Systems I (S) SC: Dickson K.W. Chiu	TCEC Meeting (open to the public)
	<i>A Fuzzy Trust Model for E-Commerce</i> S. Nefti, F. Meziane and K. Khairudi	
	<i>sMart - A Semantic Matchmaking Portal for Electronic Markets</i> S. Lamparter and S. Agarwal	
	<i>Ranking-based Business Information Processing: Applications to Business Solutions and eCommerce Systems</i> M. Chen and J. Sairamesh	
7.00-10.00 pm	PC Dinner (by invitation)	

July 22nd, 2005 (Friday) CEC 05	
8.00-8.30 am	Registration, Coffee/Drinks Location: Foyer Theresianum
Room 1	
8.30-9.30 am	Keynote: E-commerce and Decision technologies: Research Opportunities and Challenges by Prof. Krishnan (CMU)
Best Paper Award	
9.30-9.45 am	Coffee Break Location: Foyer Theresianum
9.45-11.15 am	Room 1
	E-Commerce Architectures and Enabling Technologies IV (F) SC: Shuhua Liu
	A Robust Business Resource Management Framework Based on a Peer-to-Peer Infrastructure T. Friese, J. Müller, M. Smith and B. Freisleben
	An Integrated Feedback Control Approach for Proportional Slowdown Differentiation on Internet Servers J. Wei, C. Xu and X. Zhou
	Trust Enhanced Security for Mobile Agents C. Lin, V. Varadarajan, Y. Wang and V. Pruthi
	Security, Privacy and Trust Issues I (S) SC: Ulrich Greveler
	Privacy Enhanced Electronic Cheque System V. Pasupathinathan, J. Pieprzyk and H. Wang
	Security and Privacy Using One-Round Zero-Knowledge Proofs S. Almuhammadi and C. Neuman
	Promotional and Commercial Content Distribution based on a Legal and Trusted P2P Framework M. Schmucker and P. Ebinger
	Meta Model Based Integration of Role-Based and Discretionary Access Control Using Path Expressions K. Lehmann and F. Matthes
Room 3	
Decision Support and Recommender Systems II (S) SC: Alexander Felfernig	
An Innovative Decision Support System for Bidding in Simultaneous Ascending Auctions M. Dramitinos, G. Stamoulis and C. Courcoubetis	
Context-Based Integration of Numerical Information D. Zhang and L. Jing	
EXSMAL: EDI/XML semi-automatic Schema Matching ALgorithm U. Chukmol, R. Rifaieh and N. Benharkat	
Principles and Algorithms of EMMIL Marketplaces L. Kacsukné Bruckner and J. Cselényi	
Room 4	
GI FB 5.5 Meeting (open to the public)	
11.15-11.30 am	Coffee Break Location: Foyer Theresianum

	Room 1	Room 2
	Intellectual Property and Digital Rights Management (S) SC: Giovanni M. Sacco	Security, Privacy and Trust Issues II (S) SC: S. Nefti-Meziani
	Software Piracy Prevention through Digital Rights Management Systems P. Djekic and C. Loebbecke	Anonymity and Security in Public Internet Forums C. Wang, D. Chiu and H. Leung
	How Pay-TV becomes E-Commerce U. Greveler	HESSL (Highly Enhanced Security Socket Layer) Protocol B. Lee, T. Lee and S. Yang
	The access-usage-control-matrix: A heuristic tool for implementing a selected level of technical content protection V. Uenlue and T. Hess	
	Profiles for interoperability between MPEG-21 REL and OMA DRM J. Delgado, J. Prados and E. Rodriguez	
11.30-1.00 pm	Room 3	Room 4
	Mobile Commerce (S) SC: Oded Shmueli	Steering Committee Meeting (by invitation)
	Pervasive Content Access for Mobile Commerce S. Yang, N. Shao, S. Sue and J. Chung	
	An Architecture for the Management of Smart Cards by Mobile Devices Using Java Technologies T. Apostolopoulos, I. Kapetanakis and G. Oikonomou	
	Smart Food: Mobile Guidance for Food-Allergic People K. Gafšner, G. Vollmer, M. Prehn, M. Fiedler and S. Ssmoller	
	Ambient e-Service Embracing Model Y. Hwang and S. Yuan	