



9th International Conference on Service Oriented Computing

December 5-8, 2011, Paphos, Cyprus

ICSOC 2011

PROGRAM

	Tuesday's sessions		
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08:45 - 10:00	Welcome + Keynote 1: Omer Rana, Cardiff University (UK) Chair: Gerti Kappel		
10:00 - 10:30	Coffee		
10:30 - 12:00	Business Process Modelling Chair: Winfried Lamersdorf	Quality of Service 1 Chair: Michael Sheng	
12:00 - 13:30	Lunch		
13:30 - 15:00	Business Process Modelling (short papers) Chair: Winfried Lamersdorf	Service Development (industrial papers) Chair: Cesare Pautasso	
15:00 - 15:30	Demonstrations Elevator Pitch Session Chair: Sam Guinea		
15:30 - 16:00	Coffee		
16:00 - 18:00	Formal Methods Chair: Jianwen Su	XaaS Computing Chair: George Pallis	Quality of Service (short papers) Chair: Rainer Unland
		XaaS Computing (short papers) Chair: George Pallis	

Business Process Modeling

Computing Degree of Parallelism for BPMN Processes

Sun, Yutian; Su, Jianwen

State Propagation in Abstracted Business Processes

Smirnov, Sergey; Zamani, Armin Farahani; Weske, Mathias

Push-Enabling RESTful Business Processes

Pautasso, Cesare; Wilde, Erik

Quality of Service 1

QoS Analysis for Web Service Compositions Based on Probabilistic QoS

zheng, huiyuan; yang, jian; zhao, weiliang; bouguettaya, athman

Constraint-Based Runtime Prediction of SLA Violations in Service Orchestrations

Ivanovic, Dragan; Carro, Manuel; Hermenegildo, Manuel

Optimizing Decisions in Web Services Orchestrations

Kattepur, Ajay

Business Process Modeling – Short papers

Goal-driven Business Process Derivation

Ghose, Aditya; Narenda, Nanjangud; Ponnalagu, Karthikeyan; Panda, Anurag; Gohad, Atul

Defining and Analysing Resource Assignments in Business Processes with RAL

Cabanillas, Cristina; Resinas, Manuel; Ruiz-Cortés, Antonio

Stochastic Optimization for Adaptive Labor Staffing in Service Systems

L A, Prashanth; Prasad, H L; Desai, Nirmitt; Bhatnagar, Shalabh; Dasgupta, Gargi

Declarative Enhancement Framework for Business Processes

Groefsema, Heerko; Bulanov, Pavel; Aiello, Marco

Service Development – Industrial papers

Improving Service Processes with the Crowds

Lin, Donghui; Ishida, Toru; Murakami, Yohei; Tanaka, Masahiro

Scalable Knowledge Gathering for Non-Discoverable Information

Laredo, Jim; Vukovic, Maja; Rajagopal, Sriram

Reasoning-based Context-aware Workflow Management in Wireless Sensor Network

Tong, Endong; Niu, Wenjia; Tang, Hui; Li, Gang; Zhao, Zhijun;

Formal Methods

Decidability results for choreography realization

Wolf, Karsten; Lohmann, Niels

Conformance Testing for asynchronously communicating Services

Kaschner, Kathrin

Programming services with correlation sets

Montesi, Fabrizio; Carbone, Marco

Verification of Deployed Artifact Systems via Data Abstraction

Belardinelli, Francesco; Lomuscio, Alessio; Patrizi, Fabio

XaaS Computing

Profiling-as-a-Service: Adaptive Scalable Resource Profiling for the Cloud in the Cloud

Kaviani, Nima; Wohlstadtter, Eric; Lea, Rodger

VM Placement in non-Homogeneous IaaS-Clouds

Tsakalozos, Konstantinos; Roussopoulos, Mema; Delis, Alex

XaaS Computing – Short papers

RSCMap: Resiliency Planning in Storage Clouds

Jaiswal, Vimmi; Sen, Aritra; Verma, Akshat

Dynamically Selecting Composition Algorithms for Economical Composition as a Service

Trummer, Immanuel; Faltings, Boi

A Service Model for Development & Test Clouds

Mukherjee, Debdoot; Gupta, Monika; Sinha, Vibha Singhal; Zhou, Nianjun

Quality of Service – Short papers

Time Based QoS Modeling and Prediction for Web Services

Chen, Leilei; Yang, Jian; Zhang, Liang

CANPRO: A Conflict-Aware Protocol for Negotiation of Cloud Resources and Services

Netto, Marco A. S.

Game-Theoretic Analysis of the Web Service Collaborative Mechanism

Khosravifar, Babak; Clacens., Kathleen; Goffart, Christophe; Thiran, Philippe; Bentahar, Jamal

Importance Sampling of Probabilistic Contracts in Web Services

Kattepur, Ajay

Particle Filtering based Availability Prediction for Web Services

Yao, Lina; Quan Z. Sheng

A Penalty-based Approach for QoS Dissatisfaction using Fuzzy Rules

Siadat, Seyed Hossein; Pernici, Barbara; Benbernou, Salima; Ouziri, Mourad

	Wednesday's sessions		
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08:30 - 10:00	Keynote 2: Paul Constantinides & Meir Amiel, Salesforce (USA) Chair: Hamid R. Motahari-Nezhad		
10:00 - 10:30	Coffee		DEMONSTRATIONS
10:30 - 12:00	Panel: The Future of SOA technologies in the world of Cloud, Social and Mobile Moderator: Hamid R. Motahari-Nezhad		
12:00 - 13:30	Lunch		
13:30 - 15:30	Service Discovery Chair: Helen Paik	Service Science & Management Chair: Jian Yang	
15:30 - 16:00	Coffee		
16:00 - 17:00	Service Runtime Infrastructures (short papers) Chair: Gregor Engels	Service Security & Trust Chair: Gerti Kappel	
17:00 - 18:00	Service Migration & Adoption (short papers) Chair: Gregor Engels	Service Monitoring Chair: Gerti Kappel	

Service Discovery

Place Semantics into Context: Service Community Discovery from the WSDL Corpus

Yu, Qi

WTCluster: Utilizing Tags for Web Services Clustering

Chen, Liang; Hu, Liukai; Zheng, Zibin; Wu, Jian

Similarity Function Recommender Service using Incremental User Knowledge Acquisition

Ryu, Seung Hwan; Benatallah, Boualem; Paik, Hye; Kim, Yang; Compton, Paul

Revealing Hidden Relations among Web Services Using Business Process Knowledge

Awad, Ahmed; Abujarour, Mohammed

Service Science & Management

Towards a Service System Ontology for Service Science

Lemey, Elisah; Poels, Geert

Support for the Business Motivation Model in the WS-Policy4MASC Language and MiniZnMASC Middleware

Lu, Qinghua; Tomic, Vladimir; Bannerman, Paul L.

Towards automated SOA Governance

Parejo Maestre, José Antonio; Fernandez Montes, Pablo; Ruiz-Cortés, Antonio

QoS-based Task Scheduling in Crowdsourcing Environments

Khazankin, Roman; Psaiar, Harald; Schall, Daniel; Dustdar, Schahram

Service Runtime Infrastructures – Short papers

Cellular Differentiation-based Service Adaptation

Satoh, Ichiro

Graceful Interruption of Request-response Service Interactions

Dalla Preda, Mila; Gabbrielli, Maurizio; Lanese, Ivan; Mauro, Jacopo; Zavattaro, Gianluigi

Adaptation of Web Service Interactions using Complex Event Processing Patterns

Taher, Yehia; Parkin, Michael; Papazoglou, Mike P.; van den Heuvel, Willem-Jan

Service Security & Trust

Model Driven Security Analysis for IDaaS Environments

Kumar, Apurva

Credibility-based Trust Management for Services in Cloud Environments

Noor, Talal H.; Sheng, Quan Z.

Service Migration & Adoption

Employing Dynamic Object Offloading as a Design Breakthrough for SOA Adoption

Zagarese, Quirino; Zimeo, Eugenio; Canfora, Gerardo

A Survey of SOA Migration in Industry

Razavian, Maryam; Lago, Patricia

Service Monitoring

Monere: Monitoring of Service Compositions for Failure Diagnosis

Wassermann, Bruno; Emmerich, Wolfgang

Multi-layered Monitoring and Adaptation

Guinea, Sam; Kecskemeti, Gabor; Marconi, Annapaola; Wetzstein, Branimir

	Thursday's sessions	
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09:00 - 10:00	Keynote 3: Wolfgang Emmerich, UCL (UK) Chair: Gerti Kappel	
10:00 - 10:30	Coffee	
10:30 - 12:00	Service Composition Chair: Flavio De Paoli	Quality of Service (industrial papers) Chair: Daniel Oppenheim
12:00 - 13:30	Lunch	
13:30 - 15:30	Service Composition (short papers) Chair: Claudio Bartolini	Quality of Service 2 Chair: Sam Guinea
	Service Applications (short papers) Chair: Claudio Bartolini	
15:30 - 15:45	Farewell	

Service Composition

Efficient, Interactive Recommendation of Mashup Composition Knowledge

Roy Chowdhury, Soudip; Daniel, Florian; Casati, Fabio

A Semantic and Information Retrieval based Approach to Service Contract Selection

Calegari, Silvia; Comerio, Marco; Maurino, Andrea; Panzeri, Emanuele; Pasi, Gabriella

Modeling and Managing Variability in Process-Based Service Compositions

Nguyen, Tuan; Colman, Alan; Han, Jun

Quality of Service – Industrial papers

Architectural Asset Analysis for Model-driven Development of SOA Solutions

Ponnalagu, Karthikeyan; Narendra, Nanjangud; GR, Gangadharan

Performance analysis and problem determination in SOA environments

Mann, Vijay; Madduri, Venkateswara R.; Shamaiah, Srividya

Approaches to Improve Reliability of Service Composition

Hohwiller, Jorg; Schlegel, Diethelm; Engels, Gregor

Service Composition – Short papers

Forms-based Service Composition

Weber, Ingo; Paik, Helen Hye-young; Benatallah, Boualem

Contractual Compliance Checking of Service Compositions

Martínez, Enrique; Díaz, Gregorio; Cambroner, M. Emilia

Profit Sharing in Service Composition

Matsubara, Shigeo

Service Applications – Short papers

A Predictive Business Agility Model for Service Oriented Architectures

Hirzalla, Mamoun; Bahrs, Peter; Huang, Jane; Miller, Craig; High, Rob

Personal-hosting RESTful Web Services for Social Network based Recommendation

Zhong, Youliang; Zhao, Weiliang; Yang, Jian

Work as a Service

Oppenheim, Daniel V.; Varshney, Lav R.; Chee, Yi-Min

Quality of Service 2

QoS-driven Proactive Adaptation of Service Composition

Aschoff, Rafael Roque; Zisman, Andrea

A Quality Aggregation Model for Service-Oriented Software Product Lines Based on Variability and Composition Patterns

Mohabbati, Bardia; Gašević, Dragan; Hatala, Marek; Asadi, Mohsen; Bagheri, Ebrahim; Boskovic, Marko

Optimization of Complex QoS-aware Service Compositions

Schuller, Dieter; Polyvyanyy, Artem; Garcia-Banuelos, Luciano; Schulte, Stefan