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Nota di contenuto	Research Papers -- Business Process Model Abstraction Based on Behavioral Profiles -- Root-Cause Analysis of Design-Time Compliance Violations on the Basis of Property Patterns -- Artifact-Centric Choreographies -- Resolving Business Process Interference via Dynamic Reconfiguration -- Linked Data and Service Orientation -- Risk Sensitive Value of Changed Information for Selective Querying of Web Services -- Adaptive Service Composition Based on Reinforcement

Learning -- A Service Execution Control Framework for Policy Enforcement -- An Integrated Solution for Runtime Compliance Governance in SOA -- A Differentiation-Aware Fault-Tolerant Framework for Web Services -- Repair vs. Recomposition for Broken Service Compositions -- Interoperation, Composition and Simulation of Services at Home -- Efficient QoS-Aware Service Composition with a Probabilistic Service Selection Policy -- Using Real-Time Scheduling Principles in Web Service Clusters to Achieve Predictability of Service Execution -- Aggregate Quality of Service Computation for Composite Services -- Creating Context-Adaptive Business Processes -- Statistical Quality Control for Human-Based Electronic Services -- A Requirement-Centric Approach to Web Service Modeling, Discovery, and Selection -- Spreadsheet as a Generic Purpose Mashup Development Environment -- Combining Enforcement Strategies in Service Oriented Architectures -- Fault Handling in the Web Service Stack -- Conjunctive Artifact-Centric Services -- Diagnosis of Service Failures by Trace Analysis with Partial Knowledge -- Automatic Fragment Identification in Workflows Based on Sharing Analysis -- Preventing SLA Violations in Service Compositions Using Aspect-Based Fragment Substitution -- Adaptive Management of Composite Services under Percentile-Based Service Level Agreements -- BPMN Modelling of Services with Dynamically Reconfigurable Transactions -- Programmable Fault Injection Testbeds for Complex SOA -- Abstracting and Applying Business Modeling Patterns from RosettaNet -- Heuristic Approaches for QoS-Based Service Selection -- From Quality to Utility: Adaptive Service Selection Framework -- Trust Assessment for Web Services under Uncertainty -- Incorporating Expectations as a Basis for Business Service Selection -- Enhancing Collaboration with IBM's Rational Jazz tm -- Discovering Business Process Similarities: An Empirical Study with SAP Best Practice Business Processes -- A Scalable and Highly Available Brokering Service for SLA-Based Composite Services -- Short Papers -- Business Artifacts Discovery and Modeling -- Carbon-Aware Business Process Design in Abnoba -- On Predicting Impacts of Customizations to Standard Business Processes -- Extended WS-Agreement Protocol to Support Multi-round Negotiations and Renegotiations -- Event-Driven Virtual Machine for Business Integration Middleware -- Consistent Integration of Selection and Replacement Methods under Different Expectations in Service Composition and Partner Management Life-Cycle -- Optimizing the Configuration of Web Service Monitors -- A Soft Constraint-Based Approach to QoS-Aware Service Selection -- Timed Conversational Protocol Based Approach for Web Services Analysis -- Service Discovery Using Communication Fingerprints -- Quantifying Service Compatibility: A Step beyond the Boolean Approaches -- Consistency Benchmarking: Evaluating the Consistency Behavior of Middleware Services in the Cloud -- Service Composition with Pareto-Optimality of Time-Dependent QoS Attributes -- QoS-Based Optimization of Service Compositions for Complex Workflows -- Privacy-Aware Device Identifier through a Trusted Web Service -- Towards Mitigating Human Errors in IT Change Management Process -- A Service-Based Architecture for Multi-domain Search on the Web -- Natural Language Service Composition with Request Disambiguation -- Families of SOA Migration -- An Ontology Based Approach for Cloud Services Catalog Management -- A Scalable Cloud-Based Queueing Service with Improved Consistency Levels -- Exploring Simulation-Based Configuration Decisions -- Efficient, Failure-Resilient Semantic Web Service Planning -- Integrated Service Process Adaptation -- Contract Based, Non-invasive, Black-Box Testing of Web Services -- Managing

Process Model Collections with AProMoRe -- Managing Long-Tail Processes Using FormSys -- Managing Web Services: An Application in Bioinformatics -- An Integrated Solution for Runtime Compliance Governance in SOA -- Event-Driven Privacy Aware Infrastructure for Social and Health Systems Interoperability: CSS Platform -- Mashups with Mashlight -- A Service Mashup Tool for Open Document Collaboration -- Panta Rhei: Optimized and Ranked Data Processing over Heterogeneous Sources -- RnR: A System for Extracting Rationale from Online Reviews and Ratings -- Liquid Course Artifacts Software Platform -- A Programmable Fault Injection Testbed Generator for SOA -- BPEL'n'Aspects&Compensation: Adapted Service Orchestration Logic and Its Compensation Using Aspects -- A Tool for Integrating Pervasive Services and Simulating Their Composition -- BPEL4Pegasus: Combining Business and Scientific Workflows -- Multidisciplinary Views of Business Contracts -- Quantitative Service Analysis -- Scalable Services: Understanding Architecture Trade-off -- Crowd-Driven Processes: State of the Art and Research Challenges.

Sommario/riassunto

Welcome to the 8th International Conference on Service Oriented Computing (ICSOC 2010), held in San Francisco, December 2010. These proceedings represent high-quality research and industry papers, tutorials, demos, and posters that showcase new developments in service oriented computing and related fields. Since the first meeting in beautiful Trento in 2003, ICSOC has become the premier conference in the rapidly evolving areas of service research. While keeping its roots in scientific excellence and technical depth of service technology, ICSOC 2010 aimed to combine technical aspects of service computing with application and business-oriented aspects of service design, following the recent emergence of service science as an interdisciplinary foundation for understanding and integrating service systems. Located in the center of technology innovation, the San Francisco Bay Area, this year's ICSOC, through its Local Advisory Board, reached out to local industry and academia for keynotes and panels on current topics and to connect technical invention with commercial innovation. The Program Committee faced some tough decisions this year. We received 238 submissions, signalling a growing community of researchers and practitioners working in this multidisciplinary field. All papers were considered carefully by the Program Committee in originality, novelty, rigor, and relevance. In the end, 33 full research papers and three full industry papers were selected, resulting in an acceptance rate of 15%. An additional 18 submissions were accepted as short papers. There were also three PhD symposium posters and four regular posters accepted. Paper and poster presentations were complemented by tutorial and demo programs. All represented the state of the art in service oriented computing.