This issue of the International Journal of Web Services research (JWSR) collects five papers selected from regular submissions.

The first paper is titled *Tx-FAITH: A Transactional Framework for Failure Tolerant Execution of Hierarchical Long-running Transactions in Business Applications*. Rajaram, Chitra, and Adiththan tackle the challenge of ensuring reliable execution of composite services in the context of unreliable Internet environment. They present a transactional coordination framework featuring of handling the cancellation recovery under external interruptions and cancellations of transactions. Empirical study is also reported.

The second paper is titled *Redundancy-Based Reliability Enhancement for Composite Services*. Wang, Wang, Chu, and Xu tackle the reliability issue of distributed service systems. They propose a collection of algorithms to pursue an optimal balance between the reliability improvement and the total cost. A set of experiments were designed and conducted to prove the effectiveness of the proposed approach.

The third paper is titled *A Sub-Chain Ranking and Recommendation Mechanism for Facilitating Geospatial Web Service Composition*. Zhou, Cheng, Ning, Li, and Zhang tackle the issue of finding a composition (or chain) of services within Open Geospatial Consortium Web services (OWSs), given user requirements. They propose to measure the similarity between parameters of operations through considering the semantic similarity between the name and text description of the parameters, which represents the invocation possibility between operations. Evaluation results are reported.

The fourth paper is titled *A Low-Delay, Light-Weight Publish/Subscribe Architecture for Delay-Sensitive IOT Services*. Chen and Jin tackle the challenge of automatic QoS-ensured service composition. They propose a model featuring automatic service composition and multidimensional QoS optimization, equipped with a heuristic simulated annealing algorithm. Simulation results are reported to prove the effectiveness and efficiency.
The fifth paper is titled *Measuring the Service Quality of E-commerce and Competitive Strategies*. Chang, Chang, Lin, Yu, Lee, Tsai, Wu, and Yan tackle how to measure and improve e-commerce service quality. They propose a four-dimension gauge to measure the service quality of shopping websites. They also integrate the simultaneous importance-performance analysis (SIPA) method and analytical Kano model to analyze the market competition strategies.

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