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## FRAMEWORK FOR TESTING SERVICE COMPOSITIONS

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**ABSTRACT.** Service Oriented Architecture (SOA) provides a new generation of software architectures which attracts attention as promising way for smooth integration of loose coupled software applications. In addition to all benefits, it adds new dimensions to the complexity of designing, building, testing, deploying and maintaining Service-based applications. Research in verification and validation applied to compositions of web services still is not mature enough.

In this paper we present a framework named TASSA for testing, and validation of both functional and non-functional behavior of service-based applications. TASSA provides end-to-end testing of all three layers (Service layer, Service Composition and Coordination, Business Process) of service-based applications. The framework is based on SOA principles and is composable depending on user requirements.