

STATE-OF-THE ART DIFFERENCES BETWEEN TRADITIONAL SOFTWARE ENGINEERING (TSE) AND SERVICE-ORIENTED SOFTWARE ENGINEERING (SOSE)

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ABSTRACT

To gain insight into the challenges of SOSE issues, a good understanding of its features is imperative, this paper reports a systematic study of the difference between the Traditional Software Engineering, TSE, and Service-Oriented Software Engineering, SOSE. While TSE follows the SDLC formally, SOSE uses services as building blocks. In TSE, group of programmers work together through “Design-Development-Testing” circles, SOSE’s roles are divided into service consumer, service broker and service provider and employs “Discovery-Decomposition-Evaluation” circles. Services are dynamically discovered and composed in SOSE whereas requirements are set at the beginning and delivered at the end of the project in the case of TSE. Seven of such differences are identified in tabular format and followed by some recommendations.

KEYWORDS: Differences, Service-Oriented Software Engineering, Software Engineering, Traditional Software Engineering