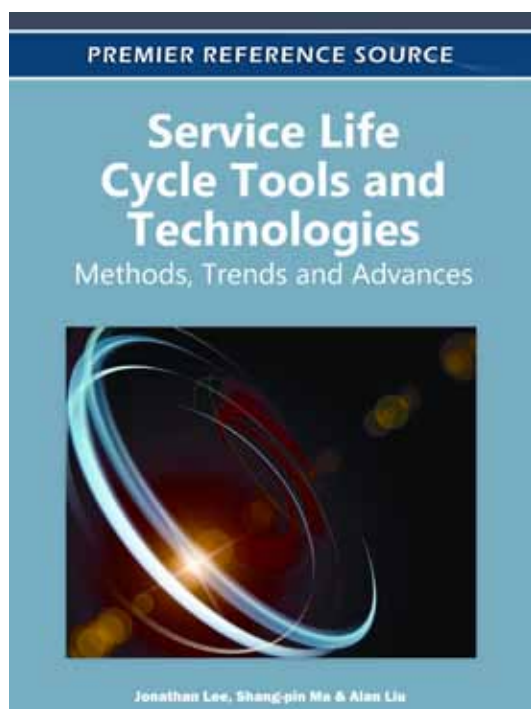


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Service Life Cycle Tools and Technologies: Methods, Trends and Advances



Jonathan Lee (National Central University, Taiwan),
Shang-Pin Ma (National Taiwan Ocean University, Taiwan)
and Alan Liu (National Chung Cheng University, Taiwan)

As Service-Oriented Computing (SOC) gains a wider global acceptance, the need for understanding its life cycle becomes inevitable, not only for developers, but also for users.

Service Life Cycle Tools and Technologies: Methods, Trends and Advances compiles the latest research on SOC life cycles, detailing methodologies and applications in this emerging field. The development of service-oriented applications not only depends on constructing service providers, but also composition and delivery. Service requesters, service providers, and developers, alike, will benefit from the views and models in a service life cycle. This volume offers research that has been conducted in both industry and academia to address issues in the SOC domain, including service discovery, service composition, and service management. It serves as a vital reference for those on either side of the service field.

Topics Covered:

- Adaptive and Dynamic Service Composition
- Quality of Service (QoS)
- Semantic Web Services
- Service Analysis and Design
- Service Modeling
- Service Query
- Service Wrapping
- Service-Oriented Programming Language
- Web Service Monitoring
- Web Services Level Agreement and Contracts

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It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Jonathan Lee received his PhD degree from Texas A&M University in 1993, the year he joined the faculty of the Department of Computer Science and Information Engineering at National Central University (NCU) in Taiwan. His research interests include agent-based software engineering, service-oriented computing, and goal-driven software engineering. He is currently a Professor of CSIE and the Director of Computer Center at NCU. Dr. Jonathan Lee has published more than 100 refereed papers, three edited books and an authoring text book on *Software Engineering in Chinese*. He received a Distinguished University Professor award from Chinese Electrical Engineering Association (Taiwan) in 2008 and an Endowed Professor award from NCU in 2007. He is a senior member of the IEEE Computer Society and a member of the ACM.

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