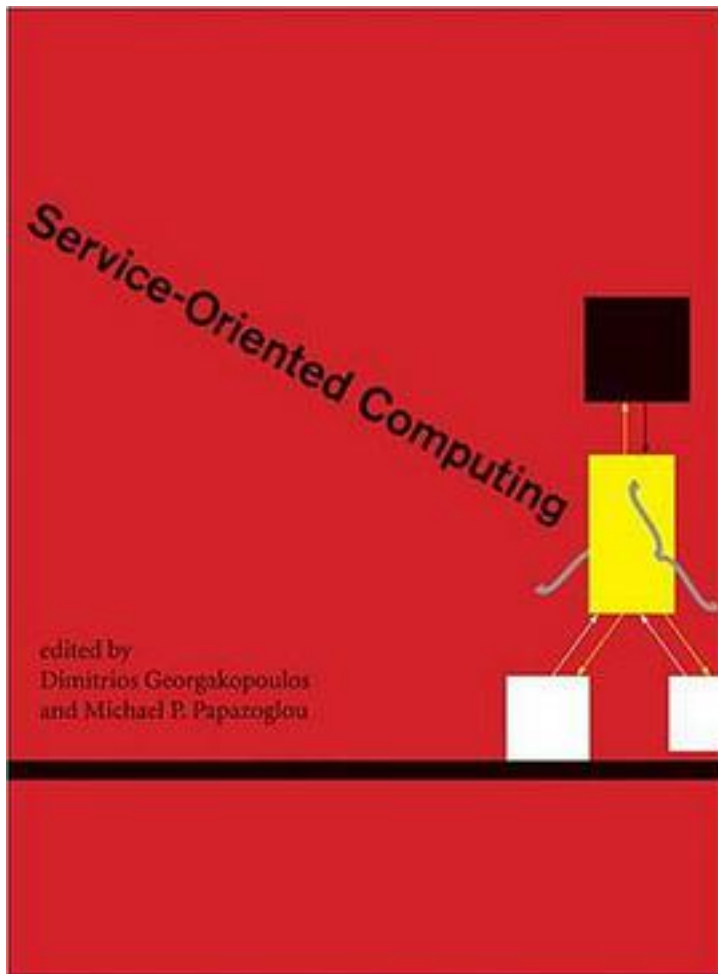


Service-Oriented Computing (Cooperative Information Systems)



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Service-Oriented Computing (SOC) promises a world of cooperating services loosely connected, creating dynamic business processes and agile applications that span organizations and platforms. As a computing paradigm, it utilizes services as fundamental elements to support rapid, low-cost development of distributed applications in heterogeneous environments. Realizing the SOC promise requires the design of Service-Oriented Architectures (SOAs) that enable the development of simpler and cheaper distributed applications. In this collection, researchers from academia and industry report on recent advances in the field, exploring approaches, technology, and research issues related to developing SOAs. SOA enables service discovery, integration, and use, allowing application developers to overcome many distributed enterprise computing challenges. The contributors to this volume treat topics related to SOA and such proposed enhancements to it as Event Drive Architecture (EDA) and extended SOA (xSOA) as well as engineering aspects of SOA-based applications. In particular, the chapters discuss modeling of SOA-based applications, SOA architecture design, business process management, transactional integrity, quality of service (QoS) and service agreements, service requirements engineering, reuse, and adaptation. Contributors L. Bahler, Boualem Benatallah, Christoph Bussler, F. Caruso, Fabio Casati, C. Chung, Emilia Cimpian, B. Falchuk, Dimitrios Georgakopoulos, Jaap Gordijn, Paul Grefen, Jonas Grundler, Woralak Kongdenfha, Yutu Liu, Mark Little, Heiko Ludwig, J. Micallef, Thomas Mikalsen, Adrian Mocan, Anne HH Ngu, Bart Orriens, Savas Parastatidis, Michael Papazoglou, Barbara Pernici, Pierluigi Plebani, Isabelle Rouvellou, Quan Z. Sheng, Halvard Skogsrud, Stefan Tai, Farouk Toumani, Pascal van Eck, Jim Webber, Roel Wieringa, Jian Yang, Liangzhao Zeng, Olaf Zimmermann

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