



2011, X, 737 p.

### Printed book

Softcover

114,99 € | £103.50 | \$159.00

<sup>[1]</sup>123,04 € (D) | 126,49 € (A) | CHF

153,65

### eBook

96,29 € | £82.50 | \$119.00

<sup>[2]</sup>96,29 € (D) | 96,29 € (A) | CHF

122,50

Available from your library or

[springer.com/shop](http://springer.com/shop)

### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

[Error\[en\\_EN | Export.Bookseller. MediumType | SE\]](#)

Martin Wirsing, Matthias Hölzl (Eds.)

# Rigorous Software Engineering for Service-Oriented Systems

Results of the SENSORIA Project on Software Engineering for Service-Oriented Computing

Series: Programming and Software Engineering

- High-quality selected papers
- Covers state-of-the-art research
- Uniquely high-profile

Service-Oriented Computing is a paradigm for developing and providing software that can address many IT challenges, ranging from integrating legacy systems to building new, massively distributed, interoperable, evaluable systems and applications. The widespread use of SOC demonstrates the practical benefits of this approach. Furthermore it raises the standard for reliability, security, and performance for IT providers, system integrators, and software developers. This book documents the main results of Sensoria, an Integrated Project funded by the European Commission in the period 2005-2010. The book presents, as Sensoria's essence, a novel, coherent, and comprehensive approach to the design, formal analysis, automated deployment, and reengineering of service-oriented applications. Following a motivating introduction, the 32 chapters are organized in the following topical parts: modeling in service-oriented architectures; calculi for service-oriented computing; negotiation, planning, and reconfiguration; qualitative analysis techniques for SOC; quantitative analysis techniques for SOC; model-driven development and reverse engineering for service-oriented systems; and case studies and patterns.

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

