

<b>Service Science</b>
<b>Description</b>
<p>Concepts and standards of Enterprise, Information and Software Architecture            Foundations of Service            Electronic Services            Service Innovation            Service Design            Which known methods and techniques are available to design services?            Service Semantics            Service Analytics            Service Optimization            Service Co-creation            Service Markets            Service Research            SOA – Service Oriented Architecture</p>
<b>Literature</b>
<ul style="list-style-type: none"> <li>• Cardoso, J. (2015). <i>Fundamentals of Service Systems</i>. H. Fromm, S. Nickel, G. Satzger, R. Studer, &amp; C. Weinhardt (Eds.). Springer.</li> <li>• Qiu, R. G. (2014). <i>Service Science: The foundations of service engineering and management</i>. John Wiley &amp; Sons.</li> <li>• Newman, S. (2015). <i>Building Microservices</i>. " O'Reilly Media, Inc."</li> <li>• Familiar, B. (2015). <i>Microservices, IoT, and Azure</i>. Apress.</li> <li>• Nadareishvili, I., Mitra, R., McLarty, M., &amp; Amundsen, M. (2016). <i>Microservice Architecture: Aligning Principles, Practices, and Culture</i>. " O'Reilly Media, Inc."</li> <li>• Gadea, C., Trifan, M., Ionescu, D., &amp; Ionescu, B. (2016, April). A reference architecture for real-time microservice API consumption. In <i>Proceedings of the 3rd Workshop on CrossCloud Infrastructures &amp; Platforms</i> (p. 2). ACM.</li> <li>• Thomas Erl, <i>Service-Oriented Architecture Concepts, Technology and Design</i>, 2005, Pearson Education</li> <li>• Perks, Col., Beveridge, Tony, <i>Guide to enterprise IT architecture</i>, Springer-Verlag New York., ISBN 0-387-95132-6, 2003 .</li> <li>• Daniel Minoli, <i>Enterprise Architecture A to Z Frameworks, Business Process Modeling, SOA, and Infrastructure Technology</i>, Auerbach Publications, Taylor &amp; Francis Group, ISBN 978-0-8493-8517-9, 2008</li> <li>• Martin Op 't Land, Erik Proper, Maarten Waage, Jeroen Cloo, Claudia Steghuis, <i>Enterprise Architecture, Creating Value by Informed Governance</i>, Springer-Verlag Berlin Heidelberg, ISBN 978-3-540-85231-5, 2009</li> <li>• Marc Lankhorst et al., <i>Enterprise Architecture at Work</i>, 2005, Springer-Verlag Berlin Heidelberg, ISBN-10 3-540-24371-2</li> <li>• Open Group, <i>TOGAF® Version 9.1</i>,  <a href="http://pubs.opengroup.org/architecture/togaf9-doc/arch/">http://pubs.opengroup.org/architecture/togaf9-doc/arch/</a></li> </ul>

- Maglio, P. P., Kieliszewski, C. A., & Spohrer, J. C. (2010). *Handbook of service science* (p. 143). New York: Springer.
- Demirkan, H., Spohrer, J. C., & Krishna, V. (2011). *The science of service systems*. New York: Springer.