

# Future-Proof Software-Systems: References

Dr. Frank J. Furrer

V0.96 / 11.01.2014

<b>Cat</b>	<b>Meaning</b>
AR	Architecture
BU	Business/Domain
ME	Metrics
MO	Models
PR	Process
TE	Technology

Note: The category indicates the main contribution of a reference. Most references cover several categories

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Abrial10	Jean-Raymond Abrial: <b>Modeling in Event-B – System and Software Engineering</b> Cambridge University Press, Cambridge UK, 2010. ISBN 978-0-521-89556-9	MO
Ackermann13	Tobias Ackermann: <b>IT Security Risk Management – Perceived IT Security Risks in the Context of Cloud Computing</b> Springer Gabler Verlag, Springer Fachmedien Wiesbaden, 2013. ISBN 978-3-658-01114-7	BU
ACM/IEEE99	ACM/IEEE: <b>Software Engineering Code of Ethics and Professional Practice</b> Version 5.2, 1999. Downloadable from: <a href="http://www.acm.org/about/se-code">http://www.acm.org/about/se-code</a> [last accessed: 1.11.2013]	PR
Adelman05	Sid Adelman, Larissa Moss, Majid Abai: <b>Data Strategy</b> Addison-Wesley (Pearson Education), N.J., USA, 2005. ISBN 978-0-321-24099-6	
Ahlemann12	Frederik Ahlemann, Eric Stettiner, Marcus Messerschmidt, Christine Legner (Editors): <b>Strategic Enterprise Architecture Management – Challenges, Best Practices, and Future Developments</b> Springer-Verlag, Berlin Heidelberg, 2012. ISBN 978-3-642-24222-9	AR
Akerkar09	Rajendra Akerkar: <b>Foundations of the Semantic Web – XML, RDF &amp; Ontology</b> ALPHA Science Intl. Inc., Oxford, UK, 2009. ISBN 978-1-84265-535-1	
Albin03	Stephen T. Albin: <b>The Art of Software Architecture</b> Wiley Publishing Inc., Indiana, USA, 2003. ISBN 978-0-8493-0440-7	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Alexander77	Christopher Alexander, Sara Ishikawa, Murray Silverstein: <b>A Pattern Language – Town, Buildings, Construction</b> Oxford University Press, New York, 1977	BU
Alexander79	Christopher Alexander: <b>The Timeless Way of Building</b> Oxford University Press, New York, 1979. ISBN 0-19-502402-8	BU
Al-Hakeem12	Mazin S. Al-Hakeem: <b>Fundamentals of Web Engineering – An Engineering Approach to Develop Web Services, Contents &amp; Environment under Standards Specification of Web Design</b> LAP LAMBERT Academic Publishing, 2012. ISBN 978-3-65912-492-1	AR
Ambler05	Scott W. Ambler: <b>The Elements of UML 2.0 Style</b> Cambridge University Press, New York, N.Y., 2005. ISBN 978-0-521-61678-2	MO
Anda08	Bente Anda, Hege Dreiem, Dag I.K. Sjoberg, Magne Jorgensen: <b>Estimating Software Development Effort based on Use Cases – Experiences from Industry</b> Downloadable from: <a href="http://www.bfpug.com.br/Artigos/UCP/Anda-Estimating_SW_Dev_Effort_Based_on_Use_Cases.pdf">http://www.bfpug.com.br/Artigos/UCP/Anda-Estimating_SW_Dev_Effort_Based_on_Use_Cases.pdf</a>	ME
Anderson12	Stuart Anderson, Massimo Felice: <b>Emerging Technological Risk – Underpinning the Risk of Technology Innovation</b> Springer-Verlag, London, UK, 2012. ISBN 978-1-4471-2142-8	TE
Apel13	Sven Apel, Don Batory, Christian Kästner, Gunter Saake: <b>Feature-Oriented Software Product Lines – Concepts and Implementation</b> Springer-Verlag, New York, USA, 2013. ISBN 978-3-642-37520-0	AR
Arbab12	Farhad Arbab, Peter Csaba Ölveczky (Editors): <b>Formal Aspects of Component Software</b> 8 <sup>th</sup> International Symposium FACS 2011 (September 2011). Springer-Verlag, Berlin & Heidelberg, 2012 (LNCS 7253). ISBN 978-3-642-35742-8	
Arbesman12	Samuel Arbesman: <b>Half-Life of Facts – Why Everything We Know has an Expiration Date</b> Penguin Group, N.Y., USA, 2012. ISBN 978-1-59184-472-3	PR
Arthur11	W. Brian Arthur: <b>The Nature of Technology – What It Is and How It Evolves</b> Free Press (Simon & Schuster Inc.), New York, USA, 2011. ISBN 978-1-4165-4406-7	TE
Assmann03	Uwe Assmann: <b>Invasive Software Composition</b> Springer Verlag, Berlin und Heidelberg, 2003. ISBN 978-3-540-44385-1	TE

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Autosar11	AUTOSAR ( <a href="http://www.autosar.org">www.autosar.org</a> ): <b>AUTOSAR – The Worldwide Automotive Standard for E/E-Systems</b> December 2011. Downloadable from: <a href="http://www.autosar.org/download/papersandpresentations/AUTOSAR_Brochure_EN.pdf">http://www.autosar.org/download/papersandpresentations/AUTOSAR_Brochure_EN.pdf</a> [last accessed: 16.9.2013]	AR
Axelrod09	C. Warren Axelrod: <i>Investing in Software Resiliency</i> CrossTalk – The Journal of Defense Software Engineering, September/October 2009, pp. 20-25. Downloadable from: <a href="http://www.crosstalkonline.org/storage/issue-archives/2009/200909/200909-Axelrod.pdf">http://www.crosstalkonline.org/storage/issue-archives/2009/200909/200909-Axelrod.pdf</a> [last accessed: 30.12.2013]	
Axelrod13	C. Warren Axelrod: <b>Engineering Safe and Secure Software Systems</b> Artech House, Norwood, USA, 2013. ISBN 978-1-60807-472-3	PR
Baduel09	Eric Baduel, Albert Benveniste, Benoît Caillaud, Axel Legay, Roberto Passerone: <b>Contract Theories for Embedded Systems – A White Paper</b> Deliverable D1.2b-Y2 from the European Project COMBEST, 2009	MO
Baldwin11	Baldwin, Kristen, Judith Dahmann, George Rebovich, Jo Ann Lane, and Ralph Lowry: <b>An “Implementers” View of Systems Engineering for Systems of Systems</b> Paper presented at the 2011 IEEE International Systems Conference, Montreal, Canada, April 2011. Downloadable from: <a href="http://www.acq.osd.mil/se/initiatives/init_sos-se.html">http://www.acq.osd.mil/se/initiatives/init_sos-se.html</a> [last accessed: 28.12.2012]	AR
Balzert10	Heide Balzert: <b>UML-2 in 5 Tagen – Der schnelle Einstieg in die Objektorientierung</b> Verlag W3L GmbH, Herdecke DE, 2010. ISBN 978-3-86834-0002-0	MO
Barbacci95	Mario Barbacci, Mark H. Klein, Thomas A. Longstaff, Charles B. Weinstock: <b>Quality Attributes</b> Software Engineering Institute (SEI), Carnegie Mellon University, Technical Report CMU/SEI-95-TR-021, December 1995. Downloadable from: <a href="http://www.sei.cmu.edu/library/abstracts/reports/95tr021.cfm">http://www.sei.cmu.edu/library/abstracts/reports/95tr021.cfm</a> (last accessed 24.6.2013)	AR
Barot12	Vishal Barot, Sharon Henson, Michael Henshaw, Carys Siemieniuch, Murray Sinclair, Soo Ling Lim, Mo Jamshidi, Daniel DeLaurentis: <b>State of the Art on Systems of Systems Management and Engineering</b> European Project T-AREA-SoS (Support Action, #287593), Work Package 2, Deliverable D2.1, 4 <sup>th</sup> May 2012. Downloadable from: <a href="https://www.tareasos.eu/">https://www.tareasos.eu/</a> (sign in as guest). [Last accessed: 31.12.2012]	PR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Bass13	Len Bass, Paul Clements, Rick Kazman: <b>Software Architecture in Practice</b> SEI-Series (Pearson Education), Addison-Wesley, N.J., USA, 3 <sup>rd</sup> edition, 2013. ISBN 978-0-321-81573-6	AR
Batini06	Carlo Batini, Monica Scannapieco: <b>Data Quality – Concepts, Methodologies and Techniques</b> Springer-Verlag, Berlin Heidelberg, 2006. ISBN 978-3-540-33172-8	TE
Bedau08	Mark A. Bedau, Paul Humphreys (Editors): <b>Emergence – Contemporary Readings in Philosophy and Science</b> Massachusetts Institute of Technology (MIT) Press, USA, 2008. ISBN 978-0-262-02621-5	BU
Beijer10	Peter Beijer, Theo de Klerk: <b>IT Architecture – Essential Practice for IT Business Solutions</b> Lulu Enterprises Inc., USA, 2010 ( <a href="http://www.lulu.com">www.lulu.com</a> ). ISBN 978-1-4457-0603-0	AR
Bencomo13	N. Bencomo, A. Bennaceur, P. Grace, G. Blair, V. Issarny: <b>The role of models@run.time in supporting on-the-fly interoperability</b> Computing (Archives for Scientific Computing), Springer-Verlag, Wien, 2013, pp. 167-190. DOI 10.1007/s00607-012-0224-x	MO
Benveniste07	Albert Benveniste, Benoit Caillaud, Roberto Passerone: <b>A Generic Model of Contracts for Embedded Systems</b> Downloadable from: <a href="http://arxiv.org/abs/0706.1456">http://arxiv.org/abs/0706.1456</a> [last accessed: 26.12.2012]	MO
Benveniste11a	Albert Benveniste, Werner Damm, Alberto Sangiovanni-Vincentelli, Dejan Nickovic, Roberto Passerone, and Philipp Reinkemeier: <b>Contracts for the Design of Embedded Systems - Part I: Methodology and Use Cases (2011)</b> Downloadable from: <a href="http://www.irisa.fr/distribcom/benveniste/pub/ProcIEEE_contracts_Part1.pdf">http://www.irisa.fr/distribcom/benveniste/pub/ProcIEEE_contracts Part1.pdf</a> [last accessed: 28.12.2012]	MO
Benveniste11b	Albert Benveniste, Jean-Baptiste Raclet, Benoit Caillaud, Dejan Nickovic, Roberto Passerone, Alberto Sangiovanni-Vincentelli, Tom Henzinger, Kim Larsen: <b>Contracts for the Design of Embedded Systems - Part II: Theory (2011)</b> Downloadable from: <a href="http://www.irisa.fr/distribcom/benveniste/pub/ProcIEEE_contracts_Part2.pdf">http://www.irisa.fr/distribcom/benveniste/pub/ProcIEEE_contracts Part2.pdf</a> [last accessed: 26.12.2012]	MO
Benveniste12	Albert Benveniste, Benoit Caillaud, Dejan Nickovic, Roberto Passerone, Jean-Baptiste Raclet, Philipp Reinkemeier, Alberto Sangiovanni-Vincentelli, Werner Damm, Tom Henzinger, Kim Larsen: <b>Contracts for Systems Design</b> INRIA RESEARCH REPORT, N° 8147, November 2012 ISSN 0249-6399 Downloadable from: <a href="http://hal.inria.fr/docs/00/75/85/14/PDF/RR-8147.pdf">http://hal.inria.fr/docs/00/75/85/14/PDF/RR-8147.pdf</a> [last accessed: 26.12.2012]	MO
Berg05	Clifford J. Berg: <b>High-Assurance Design – Architecting Secure and Reliable Enterprise Applications</b> Addison-Wesley, New Jersey, USA, 2005. ISBN 978-0-321-37577-7	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Berg06	Clifford J. Berg: <b>High-Assurance Design – Architecting Secure and Reliable Enterprise Applications</b> Addison-Wesley, N.J., USA, 2006. ISBN 0-321-37577-7	AR
Bernstein09	Philip A. Bernstein, Eric Newcomer: <b>Principles of Transaction Processing</b> Morgan Kaufmann Publishers (Elsevier), USA, 2009. ISBN 978-1-55860-623-4	AR
BIAN12	BIAN (Banking Industry Architecture Network): <b>BIAN Metamodel Specification</b> Version 1.6, Iteration 13, May 30, 2012. Downloadable from: <a href="http://www.bian.org">www.bian.org</a> [last accessed 16.09.2013]	BU
Bieberstein08	Norbert Bieberstein, Robert G. Laird, Keith Jones, Tilak Mitra: <b>Executing SOA – A Practical Guide for the Service-Oriented Architect</b> IBM Developer Work Series, IBM Press, Pearson plc, New Jersey, USA, 2008. ISBN 978-0-13-235374-8	AR
Birman05	Kenneth P. Birman: <b>Reliable Distributed Systems – Technologies, Web Services, and Applications</b> Springer Science and Business Media, Inc., New York, USA, 2005. ISBN 978-0-387-21509-3	AR
Bleakley	Graham Bleakley: <b>Introduction to UPDM®</b> Downloadable from: <a href="http://www.omg.org/ocsmmp/Introduction_to_UPDM.pdf">http://www.omg.org/ocsmmp/Introduction_to_UPDM.pdf</a> [last accessed: 13.12.2013]	MO
Bloomberg13	Jason Bloomberg: <b>The Agile Architecture Revolution – How Cloud Computing, REST-based SOA, and Mobile Computing are changing Enterprise IT</b> John Wiley & Sons, Inc. Hoboken, N.J., USA, 2013. ISBN 978-1-118-40977-0	AR
Boehm00	Barry W. Boehm, Chris Abts, A. Winsor Brown, Sunita Chulani, Bradford K. Clark, Ellis Horowitz, Ray Madachy, Donal Reifer, Bert Steece: <b>Software Cost Estimation with COCOMO II</b> Prentice Hall PTR, New Jersey, USA, 2000. ISBN 978-0-13-026692-2	ME
Boehm04	Barry Boehm, Richard Turner: <b>Balancing Agility and Discipline – A Guide for the Perplexed</b> Pearson Education, Addison-Wesley, Boston, USA, 2004. ISBN 978-0-321-18612-5	AR
Brambilla12	Marco Brambilla, Jordi Cabot, Manuel Wimmer: <b>Model-Driven Software Engineering in Practice</b> Morgan & Claypool Publishers, USA, 2012. ISBN 978-1-60845-882-0	AR
Braude11	Eric J. Braude, Michael E. Bernstein: <b>Software Engineering – Modern Approaches</b> John Wiley & Sons, Inc., New York, USA, 2 <sup>nd</sup> edition, 2011. ISBN 978-0-471-69208-9	PR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Brenner11	Joel Brenner: <b>America the Vulnerable – Inside the New Threat Matrix of Digital Espionage, Crime, and Warfare</b> Penguin Press, New York, USA, 2011. ISBN 978-1-59420-313-8	BU
Britcher99	Robert N. Britcher <b>The Limits of Software – People, Projects, and Perspectives</b> Addison Wesley Longman, Inc. MA, USA, 1999. ISBN 978-0-201-43323-0	BU
Britton01	Chris Britton: <b>IT Architectures and Middleware – Strategies for Building Large, Integrated Systems</b> Addison-Wesley, Boston, USA, 2001. ISBN 978-0-201.70907-4	AR
Brodie95	Michael L. Brodie, Michael Stonebraker: <b>Migrating Legacy Systems – Gateways, Interfaces &amp; The Incremental Approach</b> Morgan Kaufmann Publishers Inc., San Francisco, USA, 1995. ISBN 978-1-55860-330-1	AR
Brössler00	Peter Brössler, Johannes Siedersleben (Editors): <b>Softwaretechnik – Praxiswissen für Software-Ingenieure</b> Carl Hanser Verlag, München, 2000. ISBN 3-446-21168-3	AR
Brynjolfsson11	Erik Brynjolfsson, Andrew McAfee: <b>Race Against the Machine – How the Digital Revolution is Accelerating Innovation, Driving Productivity, and Irreversibly Transforming Employment and the Economy</b> Digital Frontier Press, Lexington, MA, USA, 2011. ISBN 978-0-9844725-11-3	BU
Bundschuh08	Manfred Bundschuh, Carol Dekkers: <b>The IT Measurement Compendium – Estimating and Benchmarking Success with Functional Size Measurement</b> Springer-Verlag, Berlin, Heidelberg, 2008. ISBN 978-3-540-68187-8	ME
Buschmann07a	Frank Buschmann, Kevlin Henney, Douglas C. Schmidt: <b>Pattern-Oriented Software Architecture - Volume 4</b> John Wiley & Sons, Chicester, UK, 2007. ISBN 978-0-471-05902-9	AR
Buschmann07b	Frank Buschmann, Kevlin Henney, Douglas C. Schmidt: <b>Pattern-Oriented Software Architecture - Volume 5</b> John Wiley & Sons, Chicester, UK, 2007. ISBN 978-0-471-48648-0	AR
Buschmann96	Frank Buschmann, Regine Meunier, Hans Rohnert, Peter Sommerlad, Michael Stal: <b>Pattern-Oriented Software Architecture - Volume 1</b> John Wiley & Sons, Chicester, UK, 1996. ISBN 978-0-471-95869-7	AR
Butz10	Henning Butz : <b>Open Integrated Modular Avionic (IMA): State of the Art and future Development Road Map at Airbus Deutschland.</b> Downloadable from: <a href="http://www.aviation-conferences.com/architecture/pdf/ima-henning-butz.pdf">http://www.aviation-conferences.com/architecture/pdf/ima-henning-butz.pdf</a> (last accessed: 15.8.2013)	AR
Calder08	Alan Calder, Steve Watkins: <b>Corporate Governance – A Managers Guide</b> Kogan Page, London and Philadelphia, 2008. ISBN 978-07494-4817-2	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Chappell04	David A. Chappell: <b>Enterprise Service Bus</b> O'Reilly Media Inc., Sebastopol CA, USA, 2004. ISBN 0-596-00675-6	
Chou13	Wushow „Bill“ Chou: <b>Fast-Tracking Your Career – Soft Skills for Engineering and IT Professionals</b> IEEE Press, John Wiley & Sons, Inc., N.J., USA, 2013. ISBN 978-1-118-52178-6	PR
Chrissis06	Mary Beth Chrissis, Mike Konrad, Sandy Shrum: <b>CMMI – Guidelines for Process Integration and Product Improvement</b> Addison-Wesley, New Jersey, USA, 2 <sup>nd</sup> edition, 2006. ISBN 978-0-321-27967-0	PR
Clements02a	Paul Clements, Rick Kazman, Mark Klein: <b>Evaluating Software Architectures – Methods and Case Studies</b> Addison-Wesley, Boston, USA, 2002. ISBN 0-201-70482-X	AR
Clements02b	Paul Clements, Linda Northrop: <b>Software Product Lines – Practices and Patterns</b> Addison-Wesley, Boston, USA, 2002. ISBN 978-0-201-70332-0	AR
Clements10	Paul Clements, Felix Bachmann, Len Bass, David Garlan, James Ivers, Reed Little, Paulo Merson, Robert L. Nord: <b>Documenting Software Architectures: Views and Beyond</b> SEI Series in Software Engineering. Addison Wesley, MA, USA, 2 <sup>nd</sup> revised edition, 2010. ISBN 978-0-321-55268-6	AR
Collinson11	R.P.G. Collinson: <b>Introduction to Avionics Systems</b> Springer Science+Business, Dordrecht, NL, 3 <sup>rd</sup> edition 2012. ISBN 978-94-007-0707-8	TE
COMPASS12a	COMPASS (Comprehensive Modelling for Advanced Systems of Systems, EU-Project, FP7-287829): <b>Initial Report on SoS Architectural Models</b> Document Number D22.1, March 2012. Downloadable from: <a href="http://www.compass-research.eu">http://www.compass-research.eu</a> [last accessed: 20.10.2013]	MO
COMPASS12b	COMPASS (Comprehensive Modelling for Advanced Systems of Systems, EU-Project, FP7-287829): <b>Initial Report on Guidelines for Architectural Level SoS Modelling</b> Document Number D21.2, March 2013. Downloadable from: <a href="http://www.compass-research.eu">http://www.compass-research.eu</a> [last accessed: 20.10.2013]	MO
Coplien10	James Coplien, Gertrud Bjornvig: <b>Lean Architecture for Agile Software Development</b> John Wiley & Sons, Inc., Chicester UK, 2010. ISBN 978-0-470-68420-7	AR
Coulangue98	Bernard Coulangue: <b>Software Reuse</b> Springer-Verlag, Heidelberg, Berlin, 1998. ISBN 978-3-540-76084-9	
Cummins09	Fred A. Cummins: <b>Building the Agile Enterprise – with SOA, BPM and MBM</b> Morgan Kaufmann (Elsevier), Amsterdam, 2009. ISBN 978-0-12-374445-6	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Cusumano04	Michael A. Cusumano: <b>The Business of Software</b> Free Press, New York, N.Y., USA, 2004. ISBN 978-0-7432-1580-0	BU
Cusumano10	Michael A. Cusumano: <b>Staying Power – Six Enduring Principles for Managing Strategy &amp; Innovation in an Uncertain World</b> Oxford University Press, New York, USA, 2010. ISBN 978-0-19-921896-7	BU
Dahmann08	Dahmann, Judith, Jo Ann Lane, George Rebovich, Jr. and Kristen J. Baldwin: <b>A Model of Systems Engineering in a System of Systems Context</b> Sixth Conference on Systems Engineering Research (CSER 2008), Redondo Beach, CA, April 2008 Downloadable from: <a href="http://www.acq.osd.mil/se/initiatives/init_sos-se.html">http://www.acq.osd.mil/se/initiatives/init_sos-se.html</a> [last accessed: 28.12.2012]	MO
Daigneau12	Robert Daigneau: <b>Service Design Patterns – Fundamental Design Solutions for SOAP/WSDL and RESTful Web Services</b> Addison-Wesley Longman, Amsterdam, 2011. ISBN 978-0-321-54420-9	
DANSE13	<b>Specification of the goal contracts specification language</b> D_6.3.2 2013 Downloadable from: <a href="https://www.danse-ip.eu/home/images/deliverables/DANSE_D6.3.2_GCSL.pdf">https://www.danse-ip.eu/home/images/deliverables/DANSE_D6.3.2_GCSL.pdf</a> [last accessed: 13.12.2013]	MO
Daum03a	Berthold Daum: <b>Modeling Business Objects with XML Schema</b> Morgan Kaufmann Publishers (Elsevier), Amsterdam, 2003. ISBN 978-1-55860-816-0	MO
Daum03b	Berthold Daum, Udo Merten: <b>System Architecture with XML</b> Morgan Kaufmann Publishers (Elsevier), Amsterdam, 2003. ISBN 978-1-55860-745-5	MO
Davis03	Paul K. Davis, Robert H. Anderson: <b>Improving the Composability of (US) Department of Defense Models and Simulations</b> RAND (National Defense Research Institute), Santa Monica, USA, 2003. ISBN 0-8330-3525-8 Downloadable from: <a href="http://www.rand.org/content/dam/rand/pubs/monographs/2004/RAND_MG101.pdf">http://www.rand.org/content/dam/rand/pubs/monographs/2004/RAND_MG101.pdf</a> [last accessed: 23.01.2013]	AR
Dawson07	Anthony L. Dawson, Paul L. Dawson, Stephen Summerfield: <b>Napoleonic Artillery</b> Crowood Press Ltd., Wiltshire, UK, 2007. ISBN 978-1-86126-923-2	
Dearie13	John Dearie, Courtney Geduldig: <b>Where the Jobs Are – Entrepreneurship and the Soul of the American Economy</b> John Wiley & Sons, Inc., Hoboken NJ, USA, 2013. ISBN 978-1-118-57324-2	BU



<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
DeMarco97	Tom DeMarco: <b>The Deadline – A Novel About Project Management</b> Dorset House Publishing, N.Y., USA, 1997. ISBN 978-0-932633-39-2	BU
deNeufville11	Richard de Neufville, Stefan Scholtes: <b>Flexibility in Engineering Design</b> MIT Press, Cambridge, USA, 2011. ISBN 978-0-262-01623-0	AR
Denning97	Peter J. Denning, Robert M. Metcalfe (Editors): <b>Beyond Calculation – The Next Fifty Years of Computing</b> Springer Verlag, Nex York, USA, 1997. ISBN 978-0-387-94932-1	BU
Derler12	Patricia Derler, Edward A. Lee, Alberto Sangiovanni-Vincentelli: <b>Modeling Cyber-Physical Systems</b> Proceedings of the IEEE (special issue on CPS), Vol. 100, Nr. 1, January 2012, pp. 13-28 Available from: <a href="http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5995279">http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=5995279</a>	MO
Devlin99	Keith Devlin: <b>Turning Information into Knowledge</b> W.H. Freeman and Co., N.Y., USA, 1999. ISBN 978-0-7167-3484-2	MO
DeWeck11	Olivier L. de Weck, Daniel Roos, Christopher L. Magee: <b>Engineering Systems – Meeting Human Needs in a Complex Technological World</b> MIT Press, Cambridge, USA, 2011. ISBN 978-0-262-01670-4	AR
Dietz06	Jan L.G. Dietz: <b>Enterprise Ontology – Theory and Methodology</b> Springer Veralg, Berlin DE, 2006. ISBN 978-3-540-29169-5	MO
DoD08	U.S. Department of Defense (DoD): <b>Systems Engineering Guide for Systems of Systems</b> Version 1.0, August 2008 Downloadable from: <a href="http://www.acq.osd.mil/se/initiatives/init_sos-se.html">http://www.acq.osd.mil/se/initiatives/init_sos-se.html</a> [last accessed: 28.12.2012]	AR
DoD10	U.S. Department of Defense (DoD): <b>Systems Engineering Guide for Systems of Systems - Essentials</b> December 2010 Downloadable from: <a href="http://www.acq.osd.mil/se/initiatives/init_sos-se.html">http://www.acq.osd.mil/se/initiatives/init_sos-se.html</a> [last accessed: 28.12.2012]	AR
Dudek10	Gregory Dudek, Michael Jenkin: <b>Computational Principles of Mobile Robotics</b> Cambridge University Press, N.Y., USA, 2 <sup>nd</sup> edition 2010. ISBN 978-0-521-69212-0	MO
Duffy04	Daniel J. Duffy: <b>Domain Architectures – Models and Architectures for UML Applications</b> John Wiley & Sons, Ltd., Chichester, UK, 2004. ISBN 978-0-470-84833-2	MO
Duvall07	Paul Duvall, Steve Matyas, Andrew Glover: <b>Continuous Integration - Improving Software Quality and Reducing Risk</b> (Pearson Education) Addison-Wesley, N.J., USA, 2007. ISBN 978-0-321-33638-5	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Ebert07	Christof Ebert, Reiner Dunke: <b>Software Measurement: Establish - Extract - Evaluate - Execute</b> Springer Verlag, Berlin, 2007. ISBN 978-3-540-71648-8	ME
Ebert12	Christof Ebert: <b>Global Software and IT – A Guide to Distributed Development, Projects, and Outsourcing</b> (IEEE Series) John Wiley & Sons, Inc., N.Y., USA, 2012. ISBN 978-0-470-63619-0	BU
EC12	<a href="http://ec.europa.eu/research/horizon2020/index_en.cfm">http://ec.europa.eu/research/horizon2020/index_en.cfm</a>	BU
ECDG12	European Commission (A3-DG Connect): <b>Directions in Systems-of-Systems Engineering – Report from the Workshop on Synergies among Projects and Directions in Advanced Systems Engineering.</b> Brussels, July 4 & 5, 2012. Downloadable from: <a href="http://cordis.europa.eu/fp7/ict/embedded-systems-engineering/documents/report_system_of_system.pdf">http://cordis.europa.eu/fp7/ict/embedded-systems-engineering/documents/report_system_of_system.pdf</a> [last accessed: 20.10.2013]	AR
Eeles10	Peter Eeles, Peter Cripps: <b>The Process of Software Architecting</b> Pearson Education (Addison-Wesley), Boston, USA, 2010. ISBN 978-0-321-35748-9	PR
Ehrig06	Hartmut Ehrig, Karsten Ehrig, Ulrike Prange, Gabriele Taentzer: <b>Fundamentals of Algebraic Graph Transformations</b> Springer-Verlag, Berlin Heidelberg, 2006. ISBN 978-3-540-31187-4	MO
Elmasri07	Ramez Elmasri, Shamkant B. Navathe: <b>Fundamentals of Database Systems</b> Pearson Education, Addison Wesley, Boston, USA, 5 <sup>th</sup> edition, 2007. ISBN 978-0-321-41506-X	AR
EMA10	ENTERPRISE MANAGEMENT ASSOCIATES® (EMA™): <b>Designing a Responsible Cloud Infrastructure</b> White Paper, July 2011 <a href="http://www.informationweek.com/whitepaper/Infrastructure/Network-Systems-Management/designing-a-responsible-cloud-infrastructure-wp1311970476">http://www.informationweek.com/whitepaper/Infrastructure/Network-Systems-Management/designing-a-responsible-cloud-infrastructure-wp1311970476</a> [last accessed: 30.10.2013]	BU
Embley11	David W. Embley, Bernhard Thalheim (Editors) <b>Handbook of Conceptual Modeling – Theory, Practice and Research Challenges</b> Springer Heidelberg, Dordrecht, 2011. ISBN 978-3-642-15864-3	MO
Endres03	Albert Endres, Dieter Rombach: <b>A Handbook of Software and Systems Engineering – Empirical Observations, Laws and Theories</b> Pearson Education Ltd., Harlow UK, 2003. ISBN 978-0-321-15420-7	PR
EP-SPEEDS08	European Project SPEEDS ( <a href="http://www.speeds.eu.com/">http://www.speeds.eu.com/</a> ): <b>D.2.5.4 Contract Specification Language (CSL)</b> April 1, 2008. Downloadable from: <a href="http://www.speeds.eu.com/downloads/D_2_5_4_RE_Contract_Specification_Language.pdf">http://www.speeds.eu.com/downloads/D_2_5_4_RE_Contract_Specification_Language.pdf</a> [last accessed: 28.8.2013]	

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Erl05	Thomas Erl: <b>Service-Oriented Architecture – Concepts, Technology, and Design</b> Pearson Education, USA, 2005. ISBN 978-0-13-185858-0	AR
Evans06	Eric Evans: <b>Domain-Driven Design – Tackling Complexity in the Heart of Software</b> Pearson Education, Addison-Wesley, Boston, USA, 2004. 7 <sup>th</sup> printing 2006. ISBN 978-0-321-12521-5	AR
Fairbanks10	George Fairbanks: <b>Just Enough Software Architecture – A Risk-Driven Approach</b> Marshall & Brainerd, Boulder CO, USA, 2010. ISBN 978-0-9846181-0-1	AR
Feathers07	Michael Feathers: <b>Working Effectively with Legacy Code</b> Prentice Hall International, USA, 2007. ISBN 978-0-13-117705-5	AR
Feiler13	Peter H. Feiler, David P. Gluch: <b>Model-Based Engineering with AADL – An Introduction to the SAE Architecture Analysis and Design Language</b> Addison-Wesley (SEI Series), N.J., USA, 2013. ISBN 978-0-321-88894-5	MO
Fenton97	Norman E. Fenton, Shari Lawrence Pfleeger: <b>Software Metrics – A Rigorous &amp; Practical Approach</b> PWS Publishing company, Boston, MA, USA, 2 <sup>nd</sup> edition, revised printing, 1997. ISBN 978-0-534-95425-1	ME
Fernandez13	Eduardo B. Fernandez: <b>Security Patterns in Practice – Designing Secure Architectures using Software Patterns</b> John Wiley & Sons, Ltd., Chichester UK, 2013. ISBN 978-1-119-99894-5	AR
Fields09	Jay Fields, Shane Harvie, Martin Fowler, Kent Beck: <b>Refactoring</b> Addison-Wesley Longman, Amsterdam, 2009. ISBN 978-0-321-60350-0	AR
Flood93	Robert L. Flood, Ewart R. Cars: <b>Dealing with Complexity – An Introduction and Application of Systems Science</b> Plenum Press, New York, 2 <sup>nd</sup> edition, 1993. ISBN 0-306-44299-X	PR
Floridi10	Luciano Floridi: <b>INFORMATION – A Very Short Introduction</b> Oxford University Press, Oxford UK, 2012. ISBN 978-0-19-955137-8	BU
Forta12	Ben Forta: <b>Sams Teach Yourself SQL</b> SMAS Publishing, Indiana, USA, 2012. ISBN 978-0-672-33607-2	
Fowler03	Martin Fowler: <b>Patterns of Enterprise Application Architecture</b> Addison Wesley, Boston, USA, 2003. ISBN 978-0-321-12742-0	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Fowler09	Martin Fowler: <b>Technical Debt</b> February 2009, downloadable from: <a href="http://martinfowler.com/bliki/TechnicalDebt.html">http://martinfowler.com/bliki/TechnicalDebt.html</a> (last accessed 24.6.2013)	AR
Fowler99	Martin Fowler: <b>Refactoring – Improving the Design of Existing Code</b> Addison Wesley Longman, Inc. Reading MA, USA, 1999. ISBN 978-0-201-48567-7	AR
Fowler99	Martin Fowler: <b>Refactoring – Improving the Design of Existing Code</b> Addison-Wesley Longman, Inc., Reading MA, USA, 1999. ISBN 978-0-201-48567-7	TE
Frankel03	David S. Frankel: <b>Model Driven Architecture – Applying MDA to Enterprise Computing</b> Wiley Publishing Inc., Indianapolis, USA, 2003. ISBN 978-0-471-31920-1	MO
Furrer112	Frank J. Furrer: <b>Eine kurze Geschichte der Ontologie – Von der Philosophie zur modernen Informatik</b> (A Short History of Ontology – From Philosophy to Modern Information Technology) Informatik Spektrum, Springer-Verlag, Heidelberg, August 2012. DOI 10.1007/s00287-012-0642-3. Downloadable from SpringerLink: <a href="http://link.springer.com/article/10.1007/s00287-012-0642-3">http://link.springer.com/article/10.1007/s00287-012-0642-3</a> (Last accessed: 17.12.2012)	NO
Gallo92	Giorgio Gallo, Giustino Longo, Sang Nguyen, Stefano Pallottino: <b>Directed Hypergraphs and Applications</b> Dipartimento di Informatica, Universita die Pisa, Italy, revised 1992. Downloadable from: <a href="http://www.cis.upenn.edu/~lhuang3/wpe2/papers/gallo92directed.pdf">http://www.cis.upenn.edu/~lhuang3/wpe2/papers/gallo92directed.pdf</a> [last accessed: 18.1.2013]	MO
Gallo99	Giorgio Gallo, Maria Grazia Scutella <b>Directed Hypergraphs as a Modelling Paradigm</b> Rivista di matematica per le science economiche e sociali, Vol. 21, 1999, pp. 97-123. Downloadable from: <a href="http://www.academia.edu/1990229/Directed_hypergraphs_as_a_modelling_paradigm">http://www.academia.edu/1990229/Directed_hypergraphs_as_a_modelling_paradigm</a> [last accessed: 18.1.2013]	MO
Garland03	Jeff Garland, Richard Anthony: <b>Large-Scale Software Architecture</b> John Wiley & Sons, Inc., Chichester UK, 2003. ISBN 978-0-470-84849-9	AR
Garmus01	David Garmus, David Herron: <b>Function Point Analysis – Measurement Practices for Successful Software Projects</b> Addison-Wesely, Boston, USA, 2001. ISBN 978-0-201-69944-3	ME
Geisberger12	Eva Geisberger (Herausgeber), Manfred Broy (Herausgeber): <b>agendaCPS: Integrierte Forschungsagenda Cyber-Physical Systems (acatech STUDIE)</b> Springer-Verlag, Berlin Heidelberg, 2012. ISBN 978-3-642-29098-5	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Gell-Mann94	Murray Gell-Mann: <b>The Quark and the Jaguar – Adventures in the Simple and the Complex</b> Abacus (Hachette UK), London UK, 1994. ISBN 978-0-349-10649-6	AR
Gérard	Sébastien Gérard, François Terrier, Bran Selic, Pierre Boulet: <b>MARTE –x The UML standard extension for real-time and embedded systems</b> Downloadable from: <a href="http://www-users.cs.york.ac.uk/~burns/papers/MARTE.pdf">http://www-users.cs.york.ac.uk/~burns/papers/MARTE.pdf</a> [last accessed: 13.12.2013]	MO
Gezgin12	Tayfun Gezgin, Christoph Etzien, Stefan Henkler, Achim Rettberg <b>Towards a Rigorous Modeling Formalism for Systems of Systems</b> 2012 IEEE 15th International Symposium on Object/Component/Service-Oriented Real-Time Distributed Computing Workshops DOI 10.1109/ISORCW.2012.42 Available from: <a href="http://www.computer.org/csdl/proceedings/isorcw/2012/4669/00/4669a204-abs.html">http://www.computer.org/csdl/proceedings/isorcw/2012/4669/00/4669a204-abs.html</a> [last accessed: 29.12.2012]	MO
Gharajedaghi06	Jamshid Gharajedaghi: <b>Systems Thinking – Managing Chaos and Complexity: A Platform for Designing Business Architecture</b> Elsevier Inc., Amsterdam NL, 2 <sup>nd</sup> edition, 2006. ISBN 978-0-7506-7973-2	BU
Gharbi12	Mahboubha Gharbi, Arne Koschel, Andreas Rausch, Gernot Starke: <b>Basiswissen für Softwarearchitekten: Aus- und Weiterbildung nach iSAQB-Standard zum Certified Professional for Software Architecture - Foundation Level</b> dpunkt.verlag GmbH, 2012. ISBN 978-3898647915 More information on: <a href="http://www.isaqb.org">www.isaqb.org</a> (International Software Architecture Qualification Board e.V. (iSAQB))	AR
Girault03	Claude Girault, Rüdiger Valk: <b>Petri Nets for Systems Engineering – A Guide to Modeling, Verification and Applications</b> Springer-Verlag, Berlin Heidelberg, 2003. ISBN 978-3-540-41217-4	MO
Glass02	Robert L. Glass: <b>Facts and Fallacies of Software Engineering</b> Addison-Wesley Longman, Amsterdam, 2002. ISBN 978-0-321-11742-7	AR
Glass97	Robert L. Glass: <b>Software Runaways - Monumental Software Disasters</b> Prentice Hall, USA, 1997. ISBN 978-0-13-673443-7	BU
Glass98	Robert L. Glass: <b>Software Runaways – Lessons Learned from Massive Software Project Failures</b> Pearson Education, Prentice Hall PTR, NJ, USA, 1998. ISBN 978-0-13-673443-X	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Gleick11	James Gleick: <b>The Information – A History, a Theory, a Flood</b> Harper Collins Publishers, London, UK, 2011. ISBN 978-0-00-742311-8	BU
Gnesi13	Stefania Gnesi, Tiziana Margaria: <b>Formal Methods for Industrial Critical Systems – A Survey of Applications</b> IEEE Computer Society, John Wiley & Sons, Inc., N.J., USA, 2013. ISBN 978-0-470-87618-3	MO
Godinez10	Mario Godinez, Eberhardt Hechler, Klaus Koenig, Steve Lockwood, Martin Oberhofer, Michael Schroeck: <b>The Art of Enterprise Information Architecture: A Systems-Based Approach for Unlocking Business Insight</b> Addison Wesley Publishing Inc., USA, 2010. ISBN 978-0-13-703571-7	AR
Gomez-Perez04	Asuncion Gomez-Perez, Mariano Gernandez-Lopez, Oscar Corcho : <b>Ontological Engineering</b> Springer Verlag, London UK, 2004. ISBN 978-1-85233-551-3	MO
Gorton06	Ian Gorton <b>Essential Software Architecture</b> Springer-Verlag, Berlin Heidelberg, 2006. ISBN 978-3-540-28713-1	AR
Götz13	Sebastian Götz: <b>Multi-Quality Auto-Tuning by Contract Negotiation</b> Dissertation TU Dresden, 2013. Downloadable from: <a href="http://nbn-resolving.de/urn:nbn:de:bsz:14-qucosa-119938">http://nbn-resolving.de/urn:nbn:de:bsz:14-qucosa-119938</a> [last accessed: 15.10.2013]	ME
Graham12	Andy Graham: <b>The Enterprise Data Model: A Framework for Enterprise Data Architecture</b> Koios Associates Ltd., 2 <sup>nd</sup> edition, 2012. ISBN 978-0-9565-8291-1	MO
Graves08	Tom Graves: <b>Bridging the Silos – Enterprise Architecture for IT-Architects</b> Tetradian Books, Colchester, UK, 2008. ISBN 978-1-906681-02-9	AR
Gray93	Jim Gray, Andreas Reuter: <b>Transaction Processing – Concepts and Techniques</b> Morgan Kaufmann Publishers, CA, USA, corrected 3 <sup>rd</sup> printing, 1993. ISBN 978-1-55860-190-2	AR
Greefhorst11	David Greefhorst, Erik Proper: <b>Architecture Principles – The Cornerstones of Enterprise Architecture</b> Springer Verlag, Heidelberg, Berlin, 2011. ISBN 978-3-642-20278-0	AR
Grunske10	Lars Grunske, Ralf Reussner, Frantisek Plasil (Editors): <b>Component-Based Software Engineering</b> 13 <sup>th</sup> International Symposium CBSE 2010 (June 2010). Springer-Verlag, Berlin & Heidelberg, 2010 (LNCS 6092). ISBN 978-3-642-13237-7	
Gutbrod12	Roger Gutbrod, Christian Wiele: <b>The Software Dilemma – Balancing Creativity and Control on the Path to Sustainable Software</b> Springer-Verlag, Heidelberg, 2012. ISBN 978-3-642-27235-6	PR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Hafner09	Michael Hafner, Ruth Breu: <b>Security Engineering for Service-Oriented Architectures</b> Springer Verlag, Heidelberg, Germany, 2009. ISBN 978-3-540-79538-4	AR
Halladay12	Steve Halladay: <b>Principle-Based Refactoring – Learning Software Design Principles by Applying Refactoring Rules</b> Principle Publishing, Park City, Utah, USA, 2012. ISBN 978-0-61569-022-3	AR
Hamlet10	Dick Hamlet: <b>Composing Software Components – A Software-Testing Perspective</b> Springer-Verlag, New York, N.Y., USA, 2010. ISBN 978-1-44197147-0	PR
Hanmer07	Robert Hanmer: <b>Patterns for Fault-Tolerant Software</b> John Wiley & Sons, Chicester, UK, 2007. ISBN 978-0-470-31979-6	AR
Hariri06	Salim Hariri, Manish Parashar (Editors): <b>Autonomic Computing - Concepts, Infrastructure, and Applications</b> CRC Press Inc., Boca Raton, USA, 2006. ISBN 978-0849393679	AR
Harris11	Robert Harris: <b>The Fear Index</b> Hutchinson Publishing, UK, 2011. ISBN 978-0-09-193697-6	BU
Hay06	David C. Hay: <b>Data Model Patterns – A Metadata Map</b> Morgan Kaufmann Publishers (Elsevier), USA, 2006. ISBN 978-0-12-088798-9	MO
Henderson12	Brian Henderson-Sellers: <b>On the Mathematics of Modelling, Metamodeling, Ontologies and Modelling Languages</b> Springer-Verlag, Heidelberg, 2012. ISBN 978-3-642-29824-0	MO
Heuvel07	Willem-Jan van den Heuvel: <b>Aligning Modern Business Processes and Legacy Systems – A Component-Based Perspective</b> MIT Press, Cambridge, USA, 2007. ISBN 978-0-262-22079-9	AR
Heuvel07	Willem-Jan van den Heuvel: <b>Aligning Modern Business Processes and Legacy Systems – A Component-Based Perspective</b> MIT Press, Cambridge, USA, 2007. ISBN 978-0-262-22079-9	AR
Hoberman09	Steve Hobermann: <b>Data Modeling Made Simple – A Practical Guide for Business and IT Professionals</b> Technics Publications, N.J., USA, 2 <sup>nd</sup> edition 2009. ISBN 978-0-9771400-6-0	MO
Hohmann03	Luke Hohmann: <b>Beyond Software Architecture – Creating and Sustaining Winning Solutions</b> Pearson Education, Addison-Wesley, Boston, USA, 2003. ISBN 978-0-201-77594-8	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Holland98	John H. Holland: <b>Emergence – From Chaos to Order</b> Oxford University Press, Oxford UK, 1998 (Reprinted 2010). ISBN 978-0-19-286211-2	BU
Hollnagel06	Erik Hollnagel, David D. Woods, Nancy Leveson (Editors): <b>Resilience Engineering – Concepts and Precepts</b> Ashgate Publishing Ltd., Aldershot, UK, 2006. ISBN 978-0-7546-4904-5	AR
Holt08	Jon Holt, Simon Perry: <b>SysML for Systems Engineering</b> Institution of Engineering and Technology, Stevenage, UK, 2008. IET, ISBN 978-0-86341-825-9	MO
Howard03	Michael Howard, David LeBlanc: <b>Writing Secure Code – Practical Strategies and Techniques for Secure Application Coding in a Networked World</b> Microsoft Press, Redmond, USA, 2003. ISBN 0-7356-1722-8	PR
Hruby06	Pavel Hruby: <b>Model-Driven Design Using Business Patterns</b> Springer-Verlag, Berlin, Heidelberg, 2006. ISBN 978-3-540-30154-7	MO
Hruschka12	Peter Hruschka, Gernot Starke: <b>Knigge für Softwarearchitekten</b> Entwickler.press, Software & Support Media GmbH, DE, 2012. ISBN 978-3-86802-080-9	AR
Hubert02	Richard Hubert: <b>Convergent Architecture</b> John Wiley & Sons, N.Y., USA, 2002. ISBN 978-0-471-10560-0	AR
Humble11	Jez Humble, David Farley: <b>Continuous Delivery – Reliable Software Releases through Build, Test, and Deployment Automation</b> Pearson Education (Addison-Wesley), Boston, USA, 2011. ISBN 978-0-321-60191-9	PR
IBM06	IBM Business Consulting Services: <b>An Architectural Blueprint for Autonomic Computing</b> IBM Autonomic Computing, 4 <sup>th</sup> edition, June 2006. Downloadable from: <a href="http://www-01.ibm.com/software/tivoli/autonomic/">http://www-01.ibm.com/software/tivoli/autonomic/</a>	AR
IEEE00	IEEE-SA Standards Board, Standard IEEE 1471-2000, 14 November 2000: <b>IEEE Recommended Practice for Architectural Description of Software-Intensive Systems</b> The Institute of Electrical and Electronics Engineers, Inc., New York, USA, 2000. ISBN 978-0-7381-2518-0	AR
IEEE42010	ISO/IEC/IEEE 42010:2011 Standard: <b>Systems and Software Engineering — Architecture Description.</b> <a href="http://www.iso-architecture.org/ieee-1471/index.html">http://www.iso-architecture.org/ieee-1471/index.html</a> [last accessed: 28.12.2012]	AR



<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Inmon01	W.H. Inmon, Claudia Imhoff, Ryan Sousa: <b>Corporate Information Factory</b> John Wiley & Sons, Inc., N.Y., USA, 2 <sup>nd</sup> edition, 2001. ISBN 978-0-471-39961-2	AR
Inmon08	William Inmon, Bonnie O'Neil, Lowell Fryman: <b>Business Metadata – Capturing Enterprise Knowledge</b> Morgan Kaufmann (Elsevier), Burlington, USA, 2008. ISBN 978-0-12-373726-7	MO
ISTAG12	ISTAG – Information Society Technologies Advisory Group (Working Group on Software Technologies), July 2012: <b>Software Technologies – The missing Key Enabling Technology (Toward a Strategic Agenda for Software Technologies in Europe)</b> Downloadable from: <a href="http://cordis.europa.eu/fp7/ict/docs/istag-soft-tech-wgreport2012.pdf">http://cordis.europa.eu/fp7/ict/docs/istag-soft-tech-wgreport2012.pdf</a> [last accessed: 14.3.2013]	BU
Jackson06	Daniel Jackson: <b>Software Abstractions – Logic, Language and Analysis</b> MIT Press, Cambridge MA, USA, 2006. ISBN 978-0-262-10114-1	MO
Jakobs00	Kai Jakobs: <b>Information Technology Standards and Standardization – A Global Perspective</b> Idea Group Publishing, Hershey, PA, USA, 2000. ISBN 1-878289-70-5	
Jamshidi09a	Mo Jamshidi (Editor): <b>Systems of Systems Engineering – Principles and Applications</b> CRC Press, Taylor & Francis Group, Boca Raton, USA, 2009. ISBN 978-1-4200-6588-6	AR
Jamshidi09b	Mo Jamshidi (Editor): <b>Systems of Systems Engineering – Innovations for the 21<sup>st</sup> Century</b> John Wiley & Sons Inc., Hoboken, New Jersey, USA, 2009. ISBN 978-0-470-19590-1	AR
Jenney10	Joe Jenney, Mike Gangl, Rick Kwolek, David Melton, Nancy Ridenour, Martin Coe: <b>Modern Methods of Systems Engineering – With an Introduction to Pattern and Model Based Methods</b> Amazon Distribution GmbH, Leipzig, DE, 210. ISBN 978-1-14637-7735-7	PR
Jones08	Caper Jones: <b>Applied Software Measurement – Global Analysis of Productivity and Quality</b> McGraw-Hill, N.Y., USA, 3 <sup>rd</sup> edition 2008. ISBN 978-0-07-150244-3	ME
Joseph04	Joshy Josephy, Craig Fellenstein: <b>Grid Computing</b> IBM Press, Prentice Hall PTR, NJ, USA 2004. ISBN 978-0-13-145660-1	TE
Kan95	Stephen H. Kan: <b>Metrics and Models in Software Quality Engineering</b> Addison Wesley Longman Inc., Reading, USA, 1995. ISBN 978-0-201-63339-6	ME

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Kaplan06	Jeremy M. Kaplan: <b>A New Conceptual Framework for Net-Centric, Enterprise-Wide, System-of-Systems Engineering</b> Center for Technology and National Security Policy, National Defense University, Fort Lesley, USA, June/July 2006. ISBN 978-1-4781-3877-8. Downloadable from: <a href="http://www.ndu.edu/ctnsp/">http://www.ndu.edu/ctnsp/</a> (Last accessed: 28.12.2012)	MO
Katz08	Jonathan Katz, Yehuda Lindell: <b>Introduction to Modern Cryptography</b> Chapman & Hall/CRC, FL, USA, 2008. ISBN 978-1-58488-551-1	TE
Kaye03	Doug Kaye: <b>Loosely Coupled – The Missing Pieces of Web Services</b> RDS Press, 2003. ISBN 978-1-88137-824-1	AR
Kelly08	Steven Kelly, Juha-Pekka Tolvanen: <b>Domain-Specific Modeling – Enabling Full Code Generation</b> John Wiley & Sons, Inc., Hoboken, N.J., USA, 2008. ISBN 978-0-470-03666-2	MO
Kelly13	John E. Kelly, Steve Hamm: <b>Smart Machines – IBM’s Watson and the Era of Cognitive Computing</b> Columbia University Press, New York, N.Y., USA, 2013. ISBN 978-0-231-16856-4	
Kennel12	Bastian Kennel: <b>A Unified Framework for Multi-Level Modeling</b> Inauguraldissertation an der Universität Mannheim (Prof. Colin Atkinson), 26. Juni 2012	MO
Kephart03	Jeffrey O. Kephart, David M. Chess: <b>The Vision of Autonomic Computing</b> IEEE Computer Society, New York, January 2003, pp. 41-50. Downloadable from: <a href="http://www-01.ibm.com/software/tivoli/autonomic/">http://www-01.ibm.com/software/tivoli/autonomic/</a>	AR
Khalil02	W. Khalil, E. Dombre: <b>Modeling, Identification &amp; Control of Robots</b> Kogan Page Science, London, UK, 2002. ISBN 1-9039-9666-X	MO
Killmeyer06	Jan Killmeyer: <b>Information Security Architecture – An Integrated Approach to Security in the Organization</b> Auerbach Publications, Boca Raton, N.Y., USA, 2 <sup>nd</sup> edition, 2006. ISBN 978-0-8493-1549-7	AR
Kindel09	Olaf Kindel, Mario Friedrich: <b>Softwareentwicklung mit AUTOSAR – Grundlagen, Engineering, Management in der Praxis</b> Dpunkt.verlag GmVH, Heidelberg, 2009. ISBN 978-3-89864-563-8 See also: <a href="http://www.autosar.org">www.autosar.org</a> [last accessed 29.8.2013]	TE
Kirchner04	Michael Kirchner, Prashant Jain: <b>Pattern-Oriented Software Architecture - Volume 3</b> John Wiley & Sons, Chicester, UK, 2004. ISBN 978-0-471-84525-7	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Kleppe09	Anneke Kleppe: <b>Software Language Engineering – Creating Domain-Specific Languages using Metamodels</b> Addison-Wesley, N.J., USA, 2009. ISBN 978-0-321-55345-4	MO
Klosek03	Jacqueline Klosek: <b>The Legal Guide to e-Business</b> Praeger Publishers, Westport, USA, 2003. ISBN 978-1-56720-403-1	BU
Knittel06	Susanne Knittel-Ammerschuber: <b>Architecture: The Element of Success – Building Strategies and Business Objectives</b> Birkhäuser Verlag, Basel, CH, 2006. ISBN 978-3-76437465-5	AR
Knöpfel05	Andreas Knöpfel, Bernhard Gröne, Peter Tabeling: <b>Fundamental Modeling Concepts – Effective Communication of IT Systems</b> John Wiley & Sons, Ltd., Chichester, UK, 2005. ISBN 978-0-470-02710-X	MO
Kopetz11	Hermann Kopetz: <b>Real-Time Systems – Design Principles for Distributed Embedded Applications</b> Springer-Verlag, New York, USA. 2 <sup>nd</sup> edition 2011. ISBN 978-1-4419-8236-0	AR
Kossiakoff11	Alexander Kossiakoff, William N. Sweet, Samuel J. Seymour, Steven M. Biemer: <b>Systems Engineering – Principles and Practice</b> John Wiley & Sons, Inc., Hoboken, N.J., USA, 2 <sup>nd</sup> edition 2001. ISBN 978-0-470-40548-2	AR
Krafzig05	Dirk Krafzig, Karl Banke, Dirk Slama: <b>Enterprise SOA – Service-Oriented Architecture Best Practices</b> Prentice Hall PTR, New Jersey, USA, 2005. ISBN 978-0-13-146575-9	AR
Krogstie12	John Krogstie: <b>Model-Based Development and Evolution of Information Systems – A Quality Approach</b> Springer Verlag, London, 2012. ISBN 978-1-4471-2935-6	MO
Kurzweil99	Ray Kurzweil: <b>The Age of Spiritual Machines – When Computers Exceed Human Intelligence</b> Penguin Group Publishing, N.Y., USA, 1999. ISBN 978-0-14-028202-3	BU
Lacy05	Lee W. Lacy: <b>OWL – Representing Information using the Web Ontology Language</b> Trafford Publishing, Victoria, Canada, 2005. ISBN 978-1-4120-3448-5	MO
Langner11	Ralph Langner: <b>Robust Control System Networks – How to Achieve Reliable Control After Stuxnet</b> Momentum Press, LLC, N.Y., USA, 2011. ISBN-13: 978-1 60650-300-3	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Lankhorst05	Mark Lankhorst et. al.: <b>Enterprise Architecture at Work – Modelling, Communication, and Analysis</b> Springer-Verlag, Heidelberg, 2005. ISBN 978-3-540-24371-7	MO
Lattanze09	Anthony J. Lattanze: <b>Architecting Software Intensive Systems – A Practitioner’s Guide</b> Auerbach Publications, Taylor & Francis Group, LLC, 2009. ISBN 978-1-4200-4569-7	AR
Leach13	Ronald J. Leach: <b>Software Reuse – Methods, Models, Costs</b> Ronald J. Leach Publishing, 2 <sup>nd</sup> edition, 2013. ISBN 978-1-9391-42-35-1	
Lee10	Edward A. Lee: <b>CPS Foundations</b> Proceedings of the 47th Design Automation Conference (DAC '10), ACM, New York 2010, pages 737-742 Available from: <a href="http://dl.acm.org/citation.cfm?doid=1837274.1837462">http://dl.acm.org/citation.cfm?doid=1837274.1837462</a>	TE
Lehner13	Wolfgang Lehner, Kai-Uwe Sattler: <b>Web-Scale Data Management for the Cloud</b> Springer-Verlag, New York & Heidelberg, 2013. ISBN 978-1-4614-6855-4	AR
Leukert11a	Peter Leukert, Andreas Vollmer, Bart Alliet, Mark Reeves: <b>IT Complexity metrics – How do you measure up?</b> CAPCO Inc., Washington DC, USA, White Paper 2011. Downloadable from; <a href="http://www.capco.com">www.capco.com</a> [last accessed 29.9.2013]	ME
Leukert11b	Peter Leukert, Andreas Vollmer, Mat Small, Peter McEvoy: <b>IT Complexity: model, measure and master</b> CAPCO Inc., Washington DC, USA, White Paper 2011. Downloadable from; <a href="http://www.capco.com">www.capco.com</a> [last accessed 29.9.2013]	ME
Leveson11	Nancy G. Leveson: <b>Engineering a Safer World – Systems Thinking applied to Safety</b> MIT Press, Cambridge MA, USA, 2011. ISBN 978-0-262-01662-9	AR
Levy06	David Levy: <b>Robots Unlimited – Life in a Virtual Age</b> A.K. Peters, Ltd., Wellesley MA, USA, 2006. ISBN 978-1-56881-239-6	BU
Lim98	Wayne C. Lim: <b>Managing Software Re-Use</b> Prentice Hall, USA, 1998. ISBN-13: 978-0-13552-373-5	
Linden07	Frank J. van der Linden, Klaus Schmid, Eelco Rommes: <b>Software Product Lines in Action – The Best Industrial Practice in Product Line Engineering</b> Springer-Verlag, Berlin Heidelberg, 2007. ISBN 978-3-540-71436-1	AR
Linden07	Frank J. Linden, Klaus Schmid, Eelco Rommes: <b>Software Product Lines in Action – The Best Industrial Practices in Product Line Engineering</b> Springer-Verlag, Heidelberg, 2007. ISBN 978-3-540-71436-1	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Little04	Mark Little, Jonathan Maron, Greg Pavlik: <b>JAVA Transaction Processing – Design and Implementation</b> Prentice Hall PTR, N.J., USA, 2004. ISBN 978-0-13-035290-X	AR
Long11	David Long, Zane Scott: <b>A Primer for Model-Based Systems Engineering</b> Vitech Corporation, USA, 2 <sup>nd</sup> edition, 2011. ISBN 978-1-105-58810-5	PR
Luzeaux10	Dominique Luzeaux, Jean-René Ruault (Editors): <b>Systems of Systems</b> iSTE Publishing Ltd., London UK, 2010. Distributed by John Wiley & Sons Inc., N.Y., USA. ISBN 978-1-848-21164-3	AR
Luzeaux11	Dominique Luzeaux, Jean-René Ruault, Jean-Luc Wiplere (Editors): <b>Complex Systems and Systems of Systems Engineering</b> iSTE Publishing Ltd., London UK, 2011. Distributed by John Wiley & Sons Inc., N.Y., USA. ISBN 978-1-848-21253-4	AR
Mahmood11	Zaigham Mahmood, Richard Hill (Editors): <b>Cloud Computing for Enterprise Architectures</b> Springer-Verlag, London, 2011. ISBN 978-1-4471-2235-7	AR
Mahmood13	Zaigham Mahmood, Saqib Saeed (Editors): <b>Software Engineering Frameworks for the Cloud Computing Paradigm</b> Springer-Verlag, London, 2013. ISBN 978-1-4471-5030-5	MO
Maier09	Mark W. Maier, Eberhardt Rechtin: <b>The Art of Systems Architecting</b> CRC Press (Taylor & Francis), Boca Raton, USA, 3 <sup>rd</sup> edition 2009. ISBN 978-1-4200-7913-5	AR
Maier98	Mark W. Maier: <b>Architecting principles for systems-of-systems</b> Systems Engineering, Volume 1, Issue 4, 1998. Pages 267–284 Downloadable from: <a href="http://www.infoed.com/Open/PAPERS/systems.htm">http://www.infoed.com/Open/PAPERS/systems.htm</a> [last accessed: 26.12.2012]	AR
Marco04	David Marco, Michael Jennings: <b>Universal Meta Data Models</b> Wiley Publishing Inc., Indiana, USA, 2004. ISBN 978-0-471-08177-9	MO
Marcus03	Evan Marcus, Hal Stern: <b>Blueprints for High Availability</b> Wiley Publishing Inc., Indianapolis, USA, 2 <sup>nd</sup> edition, 2003. ISBN 0-471-43026-9	AR
Marcus03	Evan Marcus: <b>High Availability 2e</b> John Wiley & Sons, N.Y., USA, 2 <sup>nd</sup> edition, 2003. ISBN 978-0-471-43026-1	AR
Marks08	Eric A. Marks: <b>Service-Oriented Architecture Governance for the Services Driven Enterprise</b> John Wiley & Sons, N.Y., USA, 2008. ISBN 978-0-470-17125-7	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Maskus13	Keith Maskus, Stephen A. Merrill (Editors; Committee on Intellectual Property Management in Standard-Setting Processes): <b>Patent Challenges for Standard-Setting in the Global Economy – Lessons from Information and Communication Technology</b> US National Academy of Sciences, Washington DC, USA, 2013. ISBN 978-0-309-29312-9. Downloadable from: <a href="http://www.nap.edu/catalog.php?record_id=18510">http://www.nap.edu/catalog.php?record_id=18510</a> [Last accessed: 24.10.2013]	BU
McCarthy03	Linda McCarthy: <b>IT Security – Risking the Corporation</b> Prentice Hall PTR, J.J, USA, 2013. ISBN 978-0-13-101112-0	BU
McComb04	Dave McComb: <b>Semantics in Business Systems</b> Morgan Kaufmann Publishers, Elsevier, Amsterdam, 2004. ISBN 978-1-55860-917-2	MO
McGary02	John McGary, David Card, Cheryl Jones, Beth Layman, Elizabeth Clark, Joseph Dean, Fred Hall: <b>Practical Software Measurement – Objective Information for decision makers</b> Addison-Wesley, Boston, USA, 2002. ISBN 978-0-201-71516-3	ME
McGovern06	James McGovern, Oliver Sims, Ashish Jain, Mark Little: <b>Enterprise Service Oriented Architectures – Concepts, Challenges, Recommendations</b> Springer-Verlag, Dordrecht NL, 2006. ISBN 978-1-4020-3704-7	AR
McMenain94	Stephen M. McMenamin, John F. Palmer: <b>Essential Systems Analysis</b> Yourdon Press (Prentice Hall, Inc.) N.J., USA, 1984. ISBN 978-0-13-287905-0	BU
Megginson98	David Megginson: <b>Structuring XML Documents</b> Prentice Hall PTR, NJ, USA, 1998. ISBN 978-0-13-642299-3	MO
Mens08	Tom Mens (Editor), Serge Demeyer (Editor): <b>Software Evolution</b> Springer-Verlag, Heidelberg, 2008. ISBN 978-3-540-76439-7	PR
Merkow10	Mark S. Merkow, Lakshmikanth Raghavan: <b>Secure and Resilient Software Development</b> CRC Press, Taylor & Francis Group, Boca Raton, USA, 2010. ISBN 978-1-4398-2696-6	PR
Messerschmidt00	David G. Messerschmitt: <b>Understanding Networked Applications – A First Course</b> Morgan Kaufmann Publishers, Academic Press, USA, 2000. ISBN 1-55860-537-1	AR
Messerschmidt03	David G. Messerschmitt, Clemens Szyperski: <b>Software Ecosystem – Understanding an Indispensable Technology and Industry</b> MIT Press, Cambridge, USA, 2003. ISBN 978-0-262-63331-0	TE

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Meyer09	Bertrand Meyer: <b>Touch of Class – Learning to Program Well with Objects and Contracts</b> Springer-Verlag, Berlin, 2010. ISBN 978-3-540-92144-8	PR
Miller98	Howard Wilbert Miller: <b>Reengineering Legacy Software Systems</b> Butterworth-Heinemann, Digital Press, Woburn, USA, 1998. ISBN 978-1-55558-195-1	BU
Miller98	Howard Wilbert Miller: <b>Reengineering Legacy Software Systems</b> Butterworth-Heinemann, Digital Press, Woburn, USA, 1998. ISBN 978-1-55558-195-1	AR
Mitchell02	Richard Mitchell, Jim McKim: <b>Design by Contract – by Example</b> Pearson Education (Addison-Wesley), Indianapolis, USA, 2002. ISBN 0-201-63460-0	
Mocci13	Andrea Mocci, Mario Sangiorgio: <b>Detecting component changes at run time with behavior Models</b> Computing (Archives for Scientific Computing), Springer-Verlag, Wien, 2013, pp. 191-221. DOI 10.1007/s00607-012-0214-z	MO
Monson09	Richard Monson-Haefel (Editor): <b>97 Things Every Software Architect Should Know – Collective Wisdom from the Experts</b> O'Reilly Media, Sebastopol CA, USA, 2009. ISBN 978-0-596-52269-8	AR
Moser07	Ralf Moser: <b>Business Architecture. A handbook for modeling complex organizations and business processes</b> Martin Meidenbauer Verlag, München, 2007. ISBN 978-3-89975600-5	MO
Munz11	Frank Munz: <b>Middleware and Cloud Computing</b> Munz & More Publishing, 2011. ISBN 978-0-9807980-0-5	AR
Murch04	Richard Murch: <b>Autonomic Computing</b> IBM Press, Prentice Hall PTR, NJ, USA, 2004. ISBN 978-0-13-315319-3	AR
Murer11	Stephan Murer, Bruno Bonati, Frank J. Furrer: <b>Managed Evolution – A Strategy for Very Large Information Systems</b> Springer-Verlag, Berlin Heidelberg, 2011, ISBN 978-3-642-01632-5	AR
NAE04	U.S. National Academy of Engineering: <b>The Engineer of 2020 – Visions of Engineering in the New Century</b> National Academy Press, Washington D.C., USA, 2004. ISBN 978-0-309-09162-4. Downloadable from: <a href="http://www.nap.edu/download.php?record_id=10999">http://www.nap.edu/download.php?record_id=10999</a> [last accessed 11.09.2013]	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
NAE05a	U.S. National Academy of Engineering: <b>Educating the Engineer of 2020 – Adapting Engineering Education to the New Century (Phase II)</b> National Academy Press, Washington D.C., USA, 2004. ISBN 978-0-309-09649-9	AR
NAE05b	U.S. National Academy of Engineering: <b>Engineering Research and America’s Future– Meeting the Challenges of a Global Economy</b> National Academy Press, Washington D.C., USA, 2005. ISBN 0-309-09642-1	BU
Naoulo12	Mohamed Naoulo: <b>Master Data Management &amp; Enterprise Engineering – Framework, Architecture, Methodology &amp; Techniques</b> Dr. Eng. M. Naoulo, 2012. ISBN 978-1-475251-14-2	AR
Nash01	Andrew Nash, William Duane, Celia Joseph, Derek Brink: <b>PKI – Implementing and Managing E-Security</b> Osborne/McGraw Hill, CA, USA, 2001. ISBN 0-07-213123-3	
Nicola02	Jill Nicola, Mark Mayfield, Mike Abney: <b>Streamlined Object Modeling – Patterns, Rules and Implementation</b> Prentice Hall International, 2002, ISBN 978-0-13-06639-7	MO
Nicolis89	Grégoire Nicolis, Ilya Prigogine: <b>Exploring Complexity – An Introduction</b> W.H. Freeman and Company, New York, 1989. ISBN 0-7167-1859-6	AR
Northrop06	Linda Northrop (Editor): <b>Ultra-Large-Scale Systems – The Software Challenge of the Future</b> Software Engineering Institute, Carnegie Mellon University ( <a href="http://www.sei.cmu.edu">www.sei.cmu.edu</a> ), Pittsburgh, USA, June 2006. Downloadable from: <a href="http://www.sei.cmu.edu/uls/files/ULS_Book2006.pdf">http://www.sei.cmu.edu/uls/files/ULS_Book2006.pdf</a>	AR
OASIS12	<b>OASIS</b> (Organization for the Advancement of Structured Information Standards): <b>Reference Architecture Foundation for Service-Oriented Architecture</b> Version 1.0, December 2012 <a href="http://docs.oasis-open.org/soa-rm/soa-ra/v1.0/cs01/soa-ra-v1.0-cs01.pdf">http://docs.oasis-open.org/soa-rm/soa-ra/v1.0/cs01/soa-ra-v1.0-cs01.pdf</a>	AR
Ogden98	C.K. Ogden, I.A. Richards: <b>The Meaning of Meaning</b> Harcourt Brace Jovanovich, Publishers, Sand Diego CA, USA, 1998. ISBN 978-0-15-658446-8	MO
Olufomin12	Femi G. Olufomin: <b>A Holistic Method for Assessing Software Product Line Architectures – Rationale, Concepts, Stages, and Case Studies</b> Akademiker-Verlag, Deutschland, ISBN 978-3-6394-1410-3	AR



<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
OMG01	The Object Management Group, Inc. (OMG): <b>General Ledger Specification</b> (Domain-specific standard „Finance“) February 2001, Version 1.0. Downloadable from: <a href="http://www.omg.org/spec/LEDG/1.0/PDF">http://www.omg.org/spec/LEDG/1.0/PDF</a> [last accessed 30.8.2013]	BU
OMGADM13	Object Management Group (OMG): <b>Architecture Driven Modernization (ADM)</b> Various Papers, 2007 – 2013. Downloadable from: <a href="http://adm.omg.org/">http://adm.omg.org/</a> [last accessed: 11.11.2013]	PR
OpenGroup11	The Open Group ( <a href="http://www.opengroup.org">www.opengroup.org</a> ): <b>TOGAF® Version 9.1</b> Van Haren Publishing, Zaltbommel NL, 2011. ISBN 978-90-8753-679-4	MO
Oxford98	Judy Paeersall (Editor): <b>The New Oxford Dictionary of English</b> Oxford University Press, Oxford UK, 1998. ISBN 978-0-19-860285-5	BU
Pan13	Jeff Z. Pan, Steffen Staab, Uwe Assmann, Jürgen Ebert, Yuting Zhao (Editors): <b>Ontology-Driven Software Development</b> Springer-Verlag, Heidelberg, 2013. ISBN 978-3-642-31225-0	MO
Papazoglou12	Michael P. Papazoglou: <b>Web Services &amp; SOA – Principles and Technology</b> Pearson Education, Harlow, UK. 2 <sup>nd</sup> edition 2012. ISBN 978-0-273-73216-7	AR
Park03	Jack Park (Editor): <b>XML Topic Maps</b> Pearson Education Inc., Boston, USA, 2003. ISBN 978-0-201-74960-2	MO
Parr10	Terence Parr: <b>Language Implementation Patterns – Create Your own Domain-Specific and General Programming Languages</b> The Pragmatic Bookshelf, Raleigh, NC, USA, 2010. ISBN 978-1-934356-6	BU
Patel03	Nandish Patel: <b>Adaptive Evolutionary Information Systems</b> Idea Group Publishing Inc., Hershey PA, USA, 2003. ISBN 978-1-59140-034-1	PR
Pausch08	Randy Pausch: <b>The Last Lecture</b> Hodder & Stoughton Ltd., London, UK, 2008. ISBN 978-0-340-97773-6	BU
Pearson13	Siani Pearson, George Yee (Editors): <b>Privacy and Security for Cloud Computing</b> Springer-Verlag, London, 2013. ISBN 978-1-447-14188-4	BU
Petkovic07	Milan Petkovic, Willem Jonker (Editors): <b>Security, Privacy, and Trust in Modern Data Management</b> Springer-Verlag, Berlin Heidelberg, Germany, 2007. ISBN 978-3-540-69860-9	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Plösch04	Reinhold Plösch: <b>Contracts, Scenarios and Prototypes – An Integrated Approach to High Quality Software</b> Springer-Verlag, Berlin Heidelberg, 2004. ISBN 978-3-540-43486-0	MO
Pollock04	Jeffrey T. Pollock, Raph Hodgson: <b>Adaptive Information – Improving Business through Semantic Interoperability, Grid Computing, and Enterprise Integration</b> John Wiley & Sons, Inc., Hoboken, USA, 2004. ISBN 0-471-48854-2	BU
Pope98	Alan Poe: <b>The CORBA Reference Guide – Understanding the Common Object Request Broker Architecture</b> Addison Wesley Longman, Inc., Reading MA, USA, 1998. IDBN 0-201-63386-8	TE
Portner05	Paul H. Portner: <b>What is Meaning? – Fundamentals of Formal Semantics</b> Blackwell Publishing, Malden, USA, 2005. ISBN 978-1-4051-0918-1	MO
Poulin97	Jeffrey S. Poulin: <b>Measuring Software Reuse – Principles, Practices, and Economic Models</b> Addison Wesley Longman Inc., Reading MA, USA, 1997. ISBN 0-201-63413-9	PR
Quinton10	Sophie Quinton, Susanne Graf and Roberto Passerone: <b>Contract-Based Reasoning for Component Systems with Complex Interactions</b> Verimag Research Report no TR-2010-12, May 2010 Downloadable from: <a href="http://www-verimag.imag.fr/TR/TR-2010-12.pdf">http://www-verimag.imag.fr/TR/TR-2010-12.pdf</a> [last accessed: 26.12.2012]	MO
Raclet09	Jean-Baptiste Raclet, Eric Badouel, Albert Benveniste, Benoît Caillaud, Axel Legay, Roberto Passerone: <b>Modal Interfaces – Unifying Interface Automata and Model Specifications</b> Proceedings of the 9th ACM IEEE International Conference on Embedded Software, EMSOFT 2009, Grenoble, France, October 12-16, 2009	MO
Rajan13	Ajitha Rajan, Thomas Wahl: <b>CESAR - Cost-efficient Methods and Processes for Safety-Relevant Embedded Systems</b> Springer Verlag, Berlin, Heidelberg, 2013. ISBN 978-3-709-11386-8	AR
Reese09	George Reese: <b>Cloud Application Architecture – Building Applications and Infrastructure in the Cloud</b> O'Reilly Media Inc., Sebastopol, CA, USA, 2011. ISBN 978-0-596-15636-7	AR
Remenyi00	Dan Remenyi, Arthur Money, Michael Sherwood-Smith: <b>The effective measurement and management of IT costs and benefits</b> Butterworth-Heinemann, Oxford UK, 2 <sup>nd</sup> edition, 2000. ISBN 0-7506-4420-6	ME

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Renkema00	Theo J.W. Renkema : <b>The IT Value Quest – How to Capture the Business Value of IT-Based Infrastructure</b> John Wiley & Sons, Inc., Chichester, UK, 2000. ISBN 978-0-471-98817-0	ME
Ribbens12	William B. Ribbens: <b>Understanding Automotive Electronics – An Engineering Perspective</b> Butterworth & Heinemann Publishers (Elsevier), Waltham MA, USA, 7 <sup>th</sup> printing 2012. ISBN 978-0-0809-7097-4	TE
Ripon12	Shamim Ripon: <b>Modeling Variants for Software Product Line – Impacts on UML Models</b> LAP LAMBERT Academic Publishing, 2012. ISBN 978-3848495764	AR
Rodin00	Robert Rodin: <b>Free, Perfect, and Now – Connecting the Three Insatiable Customer Demands</b> Touchstone, Simon & Schuster, New York, USA, 2000. ISBN 978-0-684-85022-2	BU
Ross03	Ronald G. Ross: <b>Principles of the Business Rule Approach</b> Addison-Wesley, Boston, USA, 2003. ISBN 0-201-78893-4	BU
Rowland12	Diane Rowland, Uta Kohl: <b>Information Technology Law</b> Routledge Publishing (Taylor & Francis) Milton Park, UK, 4 <sup>th</sup> edition, 2012. ISBN 978-0415-48237-0	BU
Royce98	Walker Royce: <b>Software Project Management – A Unified Framework</b> Addison Wesley Longman Inc., USA, 1998. ISBN 978-0-201-30958-0	PR
Rozanski12	Nick Rozanski, Eoin Woods: <b>Software Systems Architecture</b> (Pearson Education), Addison-Wesley, N.J., USA, 2 <sup>nd</sup> edition, 2012. ISBN 978-0-321-71833-4	AR
Sahai05	Akhil Sahai, Sven Graupner: <b>Web Services in the Enterprise – Concepts, Standards, Solutions, and Management</b> Springer-Verlag, Heidelberg, Berlin, 2005. ISBN 978-0-387-23374-1	
Sajal12	Sajal K. Das, Krishna Kant, Nan Zhang: <b>Handbook on Securing Cyber-Physical Critical Infrastructure – Foundations and Challenges</b> Morgan Kaufmann (Elsevier), Amsterdam, 2012. ISBN 978-0-12-415815-3	TE
Sangiovanni14	Alberto Sangiovanni-Vincentelli, Haibo Zeng, Marco Di Natale, Peter Marwedel (Editors): <b>Embedded Systems Development – From Functional Models to Implementations</b> Springer Verlag, New York, 2014. ISBN 978-1-4614-3878-6	MO

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Schill12	Alexander Schill, Thomas Springer: <b>Verteilte Systeme – Grundlagen und Basistechnologien</b> Springer-Verlag, Heidelberg, Berlin, 2. Auflage 2012. ISBN 978-3-642-25795-7	AR
Schmidt00	Douglas Schmidt, Michael Stal, Hans Rohnert, Frank Buschmann: <b>Pattern-Oriented Software Architecture - Volume 2</b> John Wiley & Sons, Chicester, UK, 2000. ISBN 978-0-471-60695-6	AR
Schmidt99	Bob Schmidt: <b>Data Modeling for Information Professionals</b> Prentice Hall PTR, N.J., USA, 1999. ISBN 978-0-13-080450-9	MO
Schürr08	Andy Schürr, Manfred Nagl, Albert Zündorf (Editors): <b>Applications of Graph Transformations with Industrial Relevance</b> 3 <sup>rd</sup> International Symposium, AGTIVE 2007, Kassel, October 10-12, 2007 Springer-Verlag, Berlin Heidelberg, LNCS 5088, 2008. ISBN 978-3-54089019-5	MO
Schuhmacher06	Markus Schuhmacher, Eduardo Fernandez-Buglioni, Duane Hybertson, Frank Buschmann, Peter Sommerlad: <b>Security Patterns – Integrating Security and Systems Engineering</b> John Wiley & Sons, Chicester, UK, 2007. ISBN 978-0-470-85884-4	AR
Seacord	Robert C. Seacord, Daniel Plakosh, Grace A. Lewis: <b>Modernizing Legacy Systems – Software Technologies, Engineering Processes, and Business Practices</b> Addison Wesley, Boston, USA, 2003. ISBN 978-0-321-11884-7	AR
Seacord03	Robert C. Seacord, Daniel Plakosh, Grace A. Lewis: <b>Modernizing Legacy Systems – Software Technologies, Engineering Processes, and Business Practices</b> Addison Wesley, Boston, USA, 2003. ISBN 978-0-321-11884-7	BU
Sessions08	Roger Sessions: <b>Simple Architectures for Complex Enterprises</b> Microsoft Press, Redmond, USA, 2008. ISBN 978-0-7356-2578-5	AR
Sessions09	Roger Sessions: <b>The IT Complexity Crisis – Danger and Opportunity</b> . White Paper, November 2009. Downloadable from: <a href="http://www.objectwatch.com/whitepapers/ITComplexityWhitePaper.pdf">http://www.objectwatch.com/whitepapers/ITComplexityWhitePaper.pdf</a> (last accessed: 8.2.2013)	AR
Sewell02	Marc T. Sewell, Laura M. Sewell: <b>The Software Architect’s Profession – An Introduction</b> Prentice Hall PTR, New Jersey, USA, 2002. 978-0-13-060796-7	AR
Shore08	James Shore, Shane Warden: <b>The Art of Agile Development</b> O’Reilly Media, Inc., Sebastopol, USA, 2008. ISBN 978-0-596-52767-9	AR
Siedersleben04	Johannes Siedersleben: <b>Moderne Softwarearchitektur – Umsichtig planen, robust bauen mit Quasar</b> dpunkt Verlag, Heidelberg, DE, 2004. ISBN 978-3-89864-292-5	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Simmonds13	Jocelyn Simmonds, Shoham Ben-David, Marsha Chechik: <b>Monitoring and recovery for web service applications</b> Computing (Archives for Scientific Computing), Springer-Verlag, Wien, 2013, pp 223–267. DOI 10.1007/s00607-012-0215-y	MO
Simsion05	Graeme C. Simsion, Graham C. Witt: <b>Data Modeling Essentials</b> Morgan Kaufmann Publisher (Elsevier), 3 <sup>rd</sup> edition, 2005. ISBN 978-0-12-644551-6	MO
SLA@SOI10	SLA@SOI Consortium: <b>Reference Architecture for an SLA Management Framework</b> White Paper, Version 2.0, July 18, 2011. Downloadable from: <a href="http://sla@soi.eu/">http://sla@soi.eu/</a> [last accessed: 30.10.2013]	
Slama99	Dirk Slama, Jason Garbis, Perry Russell: <b>Enterprise CORBA</b> Prentice Hall PTR, NJ, USA, 1999. ISBN 0-13-083963-9	TE
Smith11	David J. Smith, Kenneth G.L. Simpson: <b>Safety Critical Systems Handbook – A straightforward guide to functional safety, IEC 61508 and related standards</b> Butterworth-Heinemann (Elsevier), Oxford UK, 3 <sup>rd</sup> edition, 2011. ISBN 978-0-08-096781-3	AR
Sneed10	Harry M. Sneed, Richard Seidl, Manfred Baumgartner: <b>Software in Zahlen – Die Vermessung von Applikationen</b> Carl Hanser Verlag, München, 2010. ISBN 978-3-446-42175-2	ME
Soley13	Richard Mark Soley <b>How to Deliver Resilient, Secure, Efficient, and Easily Changed IT Systems in Line with CISQ Recommendations</b> OMG (Object Management Group) White Paper. Downloadable from: <a href="http://www.omg.org/CISQ_compliant_IT_Systemsv.4-3.pdf">http://www.omg.org/CISQ_compliant_IT_Systemsv.4-3.pdf</a> [last accessed: 30.12.2013]	PR
Sosinsky11	Barrie Sosinsky: <b>Cloud Computing Bible</b> John Wiley & Sons; Inc., USA, 2011. ISBN 978-0-470-90356-8	TE
Sowa00	John F. Sowa: <b>Knowledge Representation – Logical, Philosophical and Computational Foundations</b> BROOKS/COLE, Pacific Grove CA, USA, 2000. ISBN 978-0-534-94965-7	MO
Spinellis09	Diomidis Spinellis, Georgios Gousios (Editors): <b>Beautiful Architecture – Leading Thinkers Reveal the Hidden Beauty in Software Design</b> O’Reilly Media, USA, 2009. ISBN 978-0-596-51798-4	AR
Steiner12	Christopher Steiner: <b>AUTOMATE THIS – How Algorithms Came to Rule the World</b> ISBN 978-1-59184-492-1	
Sterling11	Chris Sterling: <b>Managing Software Debt – Building for Inevitable Change</b> Pearson Education, Addison-Wesley, N.J., USA, 2011. ISBN 978-0-321-55413-0	BU

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Stevens11	Renee Stevens: <b>Engineering Mega-Systems – The Challenge of Systems Engineering in the Information Age</b> Auerbach Publications, Taylor & Francis Group, Boca Raton, USA, 2011. ISBN 978-1-4200-7666-0	AR
Stewart08	Darin L. Stewart <b>Building Enterprise Taxonomies</b> Mokita Press, USA, 2008. ISBN 978-1-4196-9362-5	MO
Suarez09	Daniel Suarez: <b>Daemon</b> Penguin Books (Signet), London, UK, 2009. ISBN 978-0-451-22873-4	BU
Talukder09	Asoke K. Talukder, Manish Chaitanya: <b>Architecting Secure Software Systems</b> CRC Press, Taylor & Francis, Boca Raton, FL, USA, 2009. ISBN 978-1-4200-8784-0	AR
Tanenbaum10	Andrew S. Tanenbaum, David Wetherall: <b>Computer Networks</b> Prentice Hall International, USA. 5 <sup>th</sup> revised edition, 2010. ISBN 978-0-13-255317-9	TE
Taylor10	Richard N. Taylor, Nenad Medvidovic, Eric M. Dashofy: <b>Software Architecture – Foundations, Theory, and Practice</b> John Wiley & Sons, Inc., Hoboken, N.J., USA, 2019. ISBN 978-0-470-16774-8	AR
Thyssen10	Judith Thyssen, Daniel Ratiu, Wolfgang Schwitzer, Alexander Harhurin, Martin Feilkas, Eike Thaden: <b>A System for Seamless Abstraction Layers for Model-based Development of Embedded Software</b> Software Engineering Workshop 2012, Dowlodabel from: <a href="http://www4.in.tum.de/~schwitze/Envision2020.pdf">http://www4.in.tum.de/~schwitze/Envision2020.pdf</a> (last accessed: 11.02.2013)	MO
TOGAF11	The Open Group: <b>TOGAF® Version 9.1 Enterprise Edition – An Introduction (White Paper)</b> The Open Group, San Francisco, USA, December 2011. Document Number W118. Downloadable from: <a href="https://www2.opengroup.org/ogsys/jsp/publications/mainPage.jsp">https://www2.opengroup.org/ogsys/jsp/publications/mainPage.jsp</a> [last accessed 16.9.2013]	MO
Treude11	Christoph Treude, Fernando Figueira Filho, Margaret-Anne, Storey, Martin Salois: <b>An Exploratory Study of Software Reverse Engineering in a Security Context</b> IEEE (Institute of Electrical and Electronics Engineers), 2011 Downloadable from: <a href="http://ctreude.files.wordpress.com/2011/08/an-exploratory-study-of-software-reverse-engineering-in-a-security-context.pdf">http://ctreude.files.wordpress.com/2011/08/an-exploratory-study-of-software-reverse-engineering-in-a-security-context.pdf</a> [last accessed: 23.12.2013]	AR
Tupper11	Charles Tupper: <b>Data Architecture: From Zen to Reality</b> Morgan Kaufmann Publishing, USA, 2011. ISBN 978-0-12-385126-0	AR

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Uckelmann11	Dieter Uckelmann, Mark Harrison, Florian Michahelles (Editors): <b>Architecting the Internet of Things</b> Springer-Verlag, Heidelberg, Berlin, 2011. ISBN 978-3-642-19156-5	TE
Ulrich02	William M. Ulrich: <b>Legacy Systems Transformation Strategies</b> Prentice Hall, N.J., USA, 2002. ISBN 978-0-13-044927-X	BU
Ulrich02	William M. Ulrich: <b>Legacy Systems Transformation Strategies</b> Prentice Hall, NJ, USA, 2002, ISBN 978-0-13-044927-X	AR
vanSanten10	Rutger van Santen, Djan Khoe, Bram Vermeer: <b>2030 – Technology that will Change the World</b> Oxford University Press, N.Y. USA, 2010. ISBN 978-0-19-537717-0	BU
Vernon13	Vaughn Vernon: <b>Implementing Domain-Driven Design</b> Addison-Wesley, N.J., USA, 2013. ISBN 978-0-321-83457-7	AR
Vliet08	Hans Van Vliet: <b>Software Engineering – Principles and Practice</b> John Wiley & Sons, Chichester, UK, 3 <sup>rd</sup> edition 2008. ISBN 978-0-470-03146-9	
Vlissides98	John Vlissides: <b>Pattern Hatching – Design Patterns Applied</b> Addison Wesley Longman Inc., Reading MA, USA, 1998. ISBN 978-0-201-43293-5	AR
Warren99	Ian Warren: <b>The Renaissance of Legacy Systems – Method Support for Software-System Evolution</b> Springer Verlag, London, UK, 1999. ISBN 978-1-85233-060-0	PR
Warren99	Ian Warren: <b>The Renaissance of Legacy Systems – Method Support for Software-System Evolution</b> Springer Verlqg, London, UK, 1999. ISBN 978-1-85233-060-0	AR
Wegener07	Hans Wegener: <b>Aligning Business and IT with Metadata – The Financial Services Way</b> John Wiley & Sons, Inc., Chichester UK, 2007. ISBN 978-0-470-03031-8	BU
Weikum02	Gerhard Weikum, Gottfried Vossen: <b>Transactional Information Systems – Theory, Algorithms, and the Practice of Concurrency Control and Recovery</b> Morgan Kaufmann Publisher (Elsevier), San Francisco, USA, 2002. ISBN 978-1-55860-508-4	AR
Weilkiens06	Tim Weilkiens: <b>Systems Engineering with SysML/UML – Modeling, Analysis, Design</b> Morgan Kaufman OMG Press, Burlington, USA, 2006. ISBN 978-0-12-374274-2	MO

<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Weinberg01	Gerald M. Weinberg: <b>An Introduction to General Systems Thinking</b> Dorset House Publishing, New York, USA, 2001. ISBN 978-0-932633-49-8	BU
Weinstein13	Stuart Weinstein, Charles Wild (Editors): <b>Legal Risk Management, Governance and Compliance – A Guide to Best Practice from Leading Experts</b> Globe Law and Business Publishers, London, UK, 2013. ISBN 978-1-9057-8394-6	BU
Weske12	Matthias Weske: <b>Business Process Management – Concepts, Languages, Architectures</b> Springer-Verlag, Heidelberg, 2 <sup>nd</sup> edition 2012. ISBN 978-3-642-28615-5	
Whitcomb13	Clifford A. Whitcomb, Leslie E. Whitcomb: <b>Effective Interpersonal and Team Communication Skills for Engineers</b> IEEE Press, John Wiley & Sons, Inc., N.J., USA, 2013. ISBN 978-1-118-31709-9	PR
Wieder11	Philipp Wieder, Joe M. Butler, Wolfgang Theilmann, Ramin Yahyapour (Editors): <b>Service Level Agreements for Cloud Computing</b> Springer New York, N.Y., 2011. ISBN 978-1-4614-1613-5	
Wing08	Jeannette Wing et. al. (Organizers): <b>Cyber-Physical Systems Summit: Holistic Approaches to Cyber-Physical Integration</b> St. Louis, Missouri on Thursday, April 24 and Friday, April 25, 2008. [Downloadable from: <a href="http://iccps2012.cse.wustl.edu/doc/CPS_Summit_Report.pdf">http://iccps2012.cse.wustl.edu/doc/CPS_Summit_Report.pdf</a> , last accessed 12.2.2013]	TE
Wisse01	Pieter Wisse: <b>Metapattern – Context and Time in Information Models</b> Pearson Education (Addison-Wesley), N.J., USA, 2001. ISBN 0-201-70457-9	
Woods06	Dan Woods, Thomas Mattern: <b>Enterprise SOA – Designing IT for Business Innovation</b> O’Reilly & Associates, Inc., Sebastopol, CA, USA, 2006. ISBN 978-0-596-10238-0	AR
Wyman07	Oliver Wyman: <b>2015 Car Innovation - A comprehensive study on innovation in the automotive industry</b> Oliver Wyman’s Automotive Consultants, USA, 2007. Downloadable from: <a href="http://www.e-motility.com/Oliver_Wyman_Car_Innovation.pdf">http://www.e-motility.com/Oliver_Wyman_Car_Innovation.pdf</a> [last accessed: 2.6.2013]	TE
Yang03	Hongji Yang, Martin Ward: <b>Successful Evolution of Software Systems</b> Artech House Publishing, Boston, USA, 2003. ISBN 978-1-58053-349-3	AR



<b>[Lit]</b>	<b>Source Reference</b>	<b>Cat</b>
Zeidler07	Andreas Zeidler: <b>Event-based Middleware for Pervasive Computing: Foundations, Concepts, Design</b> VDM Verlag Dr. Müller, Germany, 2007. ISBN 978-3-83641-309-1	AR