

# Architectural Thinking for Intelligent Systems – Prof. Jana Koehler

## Recommended Literature

Book 1 is our main text book, but does not cover all methods in detail. Books 2-9 give you a very deep understanding of the methods and subjects that we discuss in the lecture. The lecture slides always point to the recommended book for background reading.

### 1) Software Architecture: A Comprehensive Framework and Guide for Practitioners

Vogel, Oliver / Arnold, Ingo / Chughtai, Arif / Kehrer, Timo

Springer; Edition: 2011 (17. September 2011)

[https://www.amazon.de/Software-Architecture-Comprehensive-Framework-Practitioners/dp/3642197353/ref=sr\\_1\\_1?mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=vogel+architecture&qid=1564140121&s=gateway&sr=8-1](https://www.amazon.de/Software-Architecture-Comprehensive-Framework-Practitioners/dp/3642197353/ref=sr_1_1?mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=vogel+architecture&qid=1564140121&s=gateway&sr=8-1)

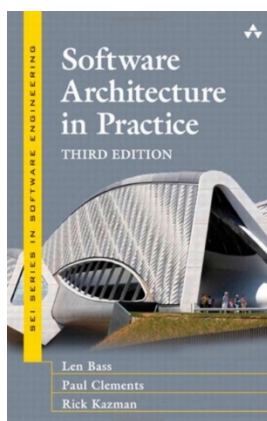


### 2) Software Architecture in Practice

Bass, Len / Clements, Paul / Kazman, Rick

Addison Wesley; Edition: 3rd revised edition (25. September 2012)

[https://www.amazon.de/Software-Architecture-Practice-Software-Engineering/dp/0321815734/ref=sr\\_1\\_1?mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Software+Architecture+in+Practice&qid=1570520366&sr=8-1](https://www.amazon.de/Software-Architecture-Practice-Software-Engineering/dp/0321815734/ref=sr_1_1?mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Software+Architecture+in+Practice&qid=1570520366&sr=8-1)

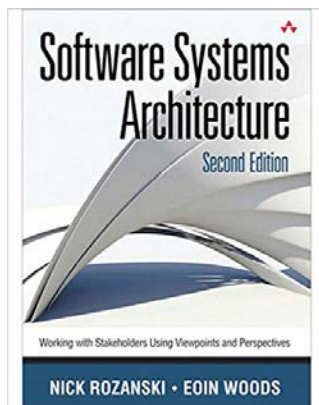


### 3) Software Systems Architecture

Rozanski, Nick / Woods, Eion

Addison Wesley; Edition: 2 (25. October 2011)

[https://www.amazon.de/Software-Systems-Architecture-Stakeholders-Perspectives/dp/032171833X/ref=sr\\_1\\_1?mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Software+Systems+Architecture&qid=1570520796&sr=8-1](https://www.amazon.de/Software-Systems-Architecture-Stakeholders-Perspectives/dp/032171833X/ref=sr_1_1?mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Software+Systems+Architecture&qid=1570520796&sr=8-1)



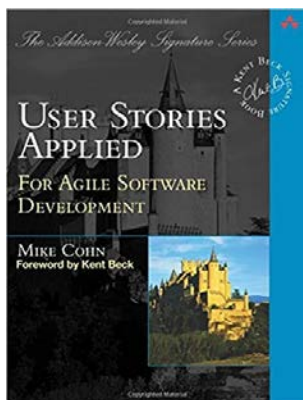
### 4) User Stories Applied: For Agile Software Development

Cohn, Mike

(Addison Wesley Signature Series)

Addison-Wesley Professional; Edition: 01 (1. March 2004)

[https://www.amazon.de/gp/product/0321205685/ref=ox\\_sc\\_act\\_title\\_1?smid=A3JWKAKR8XB7XF&psc=1](https://www.amazon.de/gp/product/0321205685/ref=ox_sc_act_title_1?smid=A3JWKAKR8XB7XF&psc=1)

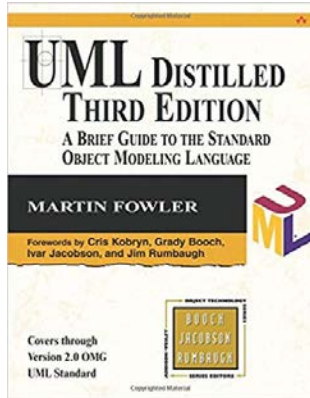


## 5) UML Distilled: A Brief Guide to the Standard Object Modeling Language

Fowler, Martin

(Addison-wesley Object Technology Series)

[https://www.amazon.de/UML-Distilled-Standard-Addison-wesley-Technology/dp/0321193687/ref=sr\\_1\\_1?mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=uml+distilled&qid=1564140006&s=gateway&sr=8-1](https://www.amazon.de/UML-Distilled-Standard-Addison-wesley-Technology/dp/0321193687/ref=sr_1_1?mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=uml+distilled&qid=1564140006&s=gateway&sr=8-1)

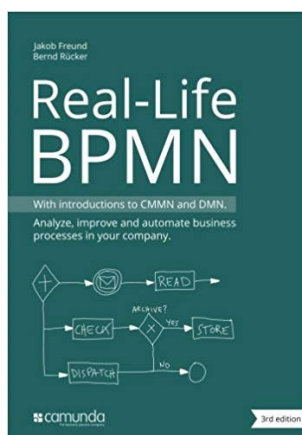


## 6) Real-Life BPMN

Freund, Jakob / Rücker, Bernd

Independently published (4. September 2019)

[https://www.amazon.de/Real-Life-BPMN-4th-introduction-DMN/dp/1086302095/ref=sr\\_1\\_fkmr0\\_1?mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Real-Life+BPMN+Freund%2C+Jakob+%2F+R%C3%BCcker%2C+Bernd&qid=1570521130&sr=8-1-fkmr0](https://www.amazon.de/Real-Life-BPMN-4th-introduction-DMN/dp/1086302095/ref=sr_1_fkmr0_1?mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Real-Life+BPMN+Freund%2C+Jakob+%2F+R%C3%BCcker%2C+Bernd&qid=1570521130&sr=8-1-fkmr0)

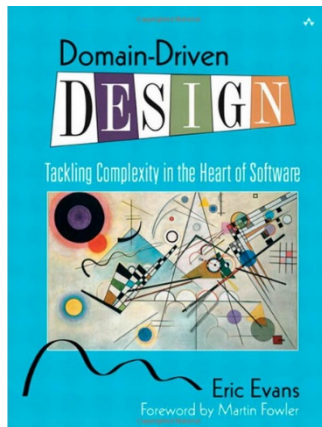


## 7) Domain-Driven Design

Evans, Eric J.

Addison-Wesley Professional; Edition: 1 (22. August 2003)

[https://www.amazon.de/Domain-Driven-Design-Tackling-Complexity-Software-ebook/dp/B00794TAUG/ref=sr\\_1\\_fkmr0\\_1?\\_mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Doman-Driven+Design+Evans%2C+Eric+J.&qid=1570521279&sr=8-1-fkmr0](https://www.amazon.de/Domain-Driven-Design-Tackling-Complexity-Software-ebook/dp/B00794TAUG/ref=sr_1_fkmr0_1?_mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Doman-Driven+Design+Evans%2C+Eric+J.&qid=1570521279&sr=8-1-fkmr0)

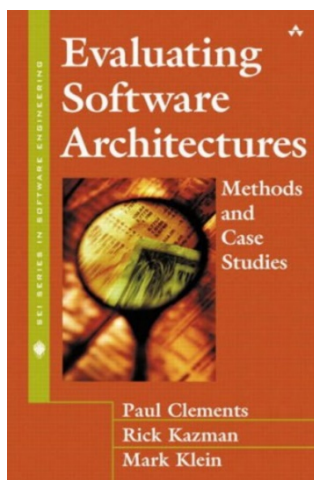


## 8) Evaluating Software Architectures

Clements, Paul / Kazman, Rick / Klein, Mark

Addison Wesley; Edition: 01 (22. October 2001)

[https://www.amazon.de/Evaluating-Software-Architectures-Methods-Engineering/dp/020170482X/ref=sr\\_1\\_1?\\_mk\\_de\\_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Evaluating+Software+Architectures&qid=1570518228&s=books-intl-de&sr=1-1](https://www.amazon.de/Evaluating-Software-Architectures-Methods-Engineering/dp/020170482X/ref=sr_1_1?_mk_de_DE=%C3%85M%C3%85%C5%BD%C3%95%C3%91&keywords=Evaluating+Software+Architectures&qid=1570518228&s=books-intl-de&sr=1-1)



## 9) Writing Effective Use Cases

Cockburn, Alistair

Addison-Wesley Professional; Edition: 01 (5. October 2000)

[https://www.amazon.de/Writing-Effective-Crystal-Software-Development/dp/0201702258/ref=sr\\_1\\_1?adgrpid=69978622254&gclid=CjwKCAjw5\\_DsBRBPEiwAIEDRW3ueSktdGaXI\\_oZuYYfZmJPDLG4weWuXQFtowvrEYmi5qG7ATvQcthoCu3IQAvD\\_BwE&hvadid=352617022208&hvdev=c&hvlocphy=9060641&hvnetw=g&hvpos=1t1&hvqmt=e&hvrnd=5723869692888996502&hvtargid=aud-815894391566%3Akwd-300858468871&hydadcr=27522\\_1736752&keywords=writing+effective+use+cases&qid=1570520195&sr=8-1](https://www.amazon.de/Writing-Effective-Crystal-Software-Development/dp/0201702258/ref=sr_1_1?adgrpid=69978622254&gclid=CjwKCAjw5_DsBRBPEiwAIEDRW3ueSktdGaXI_oZuYYfZmJPDLG4weWuXQFtowvrEYmi5qG7ATvQcthoCu3IQAvD_BwE&hvadid=352617022208&hvdev=c&hvlocphy=9060641&hvnetw=g&hvpos=1t1&hvqmt=e&hvrnd=5723869692888996502&hvtargid=aud-815894391566%3Akwd-300858468871&hydadcr=27522_1736752&keywords=writing+effective+use+cases&qid=1570520195&sr=8-1)

