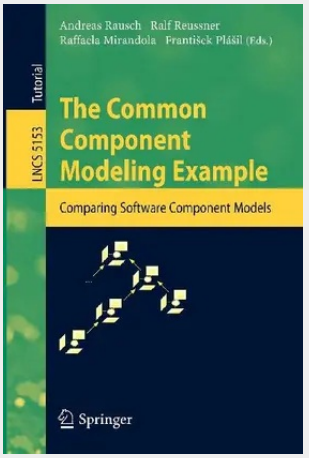
Rausch / Reussner / Mirandola

The Common Component Modeling Example

Comparing Software Component Models

Severalconferenceand workshopseriesarededicated to formalcomponent m- els and their use in veri?cation and quality prediction, such as FMCO, CBSE, FESCA,FACS andQoSA. There are a plethoraof componentmodels published, all with speci?c merits and bene?ts. However, most often these models are not used for comparison, as each research group concentrates on di?erent aspects of formal component modelling and quality prediction. Like the famous pro- 1 duction cell approach of the FZI, Karlsruhe, which has served since 1995 as a common example for di?erent embedded systems safety veri?cation, in this v- ume we de?ne a commonexample for modelling approachesof component-based systems. This Common Component Modelling Example enables the compa- bility of di? erent approaches, the validation of existing models, a better focus of research to tackle aspects less frequently dealt within the classi?cation of - isting models and approaches, an eased interchange of research ideas, as well as a simpli?ed and increased coordination and research collaborations to join complementary models and approaches. In this volume we de?ne the Common Component Modelling Example and present the models in current modelling and analysis approaches. The book concludes with comments on each modelling approach by an international jury. August 2007 Andreas Rausch Ralf Reussner Ra?aela Mirandola Franti? sek Pl´ a? sil 1 Springer LNCS vol. 891. Organization The Dagstuhl research seminar for CoCoME (Common Component Modelling Example)modellingcontestispartofaseriesofseminarsorganizedwithsupport by the German Computer Science Society (Gesellschaft fu ¨r Informatik,GI). It was held during August 1–3, 2007 at Schloss Dagstuhl, Germany, as event number 07312.

Severalconferenceand workshopseriesarededicated to formalcomponent m- els and their use in veri?cation and quality prediction, such as FMCO, CBSE, FESCA,FACS andQoSA. There are a plethoraof componentmodels published, all with speci?c merits and bene?ts. However, most often these models are not used for comparison, as each research group concentrates on di?erent aspects of formal component modelling and quality prediction. Like the famous pro- 1 duction cell approach of the FZI, Karlsruhe, which has served since 1995 as a common example for di?erent embedded systems safety veri?cation, in this v- ume we de?ne a commonexample for modelling approachesof component-based systems. This Common Component Modelling Example enables the compa- bility of di? erent approaches, the validation of existing models, a better focus of research to tackle aspects less frequently dealt within the classi?cation of - isting models and approaches, an eased interchange of research ideas, as well as a simpli?ed and increased coordination and research collaborations to join complementary models and approaches. In this volume we de?ne the Common Component Modelling Example and present the models in current modelling and analysis approaches. The book concludes with comments on each modelling approach by an international jury. August 2007 Andreas Rausch Ralf Reussner Ra?aela Mirandola Franti? sek Pl¿ a? sil 1 Springer LNCS vol. 891. Organization The Dagstuhl research seminar for CoCoME (Common Component Modelling Example)modellingcontestispartofaseriesofseminarsorganizedwithsupport by the German Computer Science Society (Gesellschaft fu ¿r Informatik,GI). It was held during August 1¿3, 2007 at Schloss Dagstuhl, Germany, as event number 07312.



53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540852889
Medium: Buch
ISBN: 978-3-540-85288-9
Verlag: Springer
Erscheinungstermin: 26.08.2008
Sprache(n): Englisch
Auflage: 2008
Serie: Programming and Software Engineering
Produktform: Kartoniert
Gewicht: 709 g
Seiten: 460
Format (B x H): 155 x 235 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)