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Sinopsis

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Model-Driven Software Development (MDSO) is currently a highly regarded development paradigm among developers and researchers. With the advent of OMG's MDA and Microsoft's Software Factories, the MDSO approach has moved to the centre of the programmer's attention, becoming the focus of conferences such as OOPSLA, JAOO and OOP.

MDSO is about using domain-specific languages to create models that express application structure or behaviour in an efficient and domain-specific way. These models are subsequently transformed into executable code by a sequence of model transformations.

This practical guide for software architects and developers is peppered with practical examples and extensive case studies. International experts deliver:

- * A comprehensive overview of MDSO and how it relates to industry standards such as MDA and Software Factories.
- * Technical details on meta modeling, DSL construction, model-to-model and model-to-code transformations, and software architecture.
- * Invaluable insight into the software development process, plus engineering issues such as versioning, testing and product line engineering.
- * Essential management knowledge covering economic and organizational topics, from a global perspective.

Thomas Stahl is Chief Architect at b+m Informatik AG. Thomas' focus and expertise is in Model-Driven Software Development, of which he has extensive practical experience. Thomas is a journal-published writer, IT conference speaker and originator of the open-source MDSO-platform openArchitectureWare.

Markus Völter is an independent consultant for software technology and engineering. Markus focuses on software architecture and Model-Driven Software Development, in which he is a well-regarded authority. A Wiley Software Design Patterns Series published author, Markus also writes for journals and speaks at conferences on his area of expertise.

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