

1. Record Nr.	UNINA9910377820603321
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Titolo	Business Standard Compliance and Requirements Validation Using Goal Models / / by Novarun Deb, Nabendu Chaki
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-2501-3
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXV, 152 p. 78 illus., 39 illus. in color.)
Collana	Services and Business Process Reengineering, , 2524-5511
Disciplina	515
Soggetti	Engineering mathematics Engineering - Data processing Software engineering Computer software Mathematical and Computational Engineering Applications Software Engineering Mathematical Software
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- State-of-the-Art -- i and Enterprise Hierarchies -- Model Checking with i -- Goal Model Maintenance -- Conclusion and Future Work.
Sommario/riassunto	This book discusses enterprise hierarchies, which view a target system with varying degrees of abstraction. These requirement refinement hierarchies can be represented by goal models. It is important to verify that such hierarchies capture the same set of rationales and intentions and are in mutual agreement with the requirements of the system being designed. The book also explores how hierarchies manifest themselves in the real world by undertaking a data mining exercise and observing the interactions within an enterprise. The inherent sequence-agnostic property of goal models prevents requirement analysts from performing compliance checks in this phase as compliance rules are generally embedded with temporal information. The studies discussed here seek to extract finite state models corresponding to goal models with the help of model transformation. The i*ToNuSMV tool implements one such algorithm to perform model checking on i* models. In turn,

the AFSR framework provides a new goal model nomenclature that associates semantics with individual goals. It also provides a reconciliation machinery that detects entailment or consistency conflicts within goal models and suggests corrective measures to resolve such conflicts. The authors also discuss how the goal maintenance problem can be mapped to the state-space search problem, and how A* search can be used to identify an optimal goal model configuration that is free from all conflicts. In conclusion, the authors discuss how the proposed research frameworks can be extended and applied in new research directions. The GRL2APK framework presents an initiative to develop mobile applications from goal models using reusable code component repositories.
