

1. Record Nr.	UNINA9910141055103321
Titolo	2011 IEEE 19th International Conference on Requirements Engineering
Pubbl/distr/stampa	[Place of publication not identified], : IEEE, 2011
ISBN	9781457709241 1457709244 9781457709234 1457709236
Descrizione fisica	1 online resource
Disciplina	620.001171
Soggetti	Systems engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	<p>The requirements and design level identification and representation of dynamic variability for adaptive systems is a challenging task. This requires time and effort to identify and model the relevant elements as well as the need to consider the large number of potentially possible system configurations. Typically, each individual variability dimension needs to be identified and modelled by enumerating each possible alternative. The full set of requirements needs to be reviewed to extract all potential variability dimensions. Moreover, each possible configuration of an adaptive system needs to be validated before use. In this demonstration, we present a tool suite that is able to manage dynamic variability in adaptive systems and tame such system complexity. This tool suite is able to automatically identify dynamic variability attributes such as variability dimensions, context, adaptation rules, and soft/hard goals from requirements documents. It also supports modelling of these artefacts as well as their run-time verification and validation.</p>