Formal methods for components and objects : 9th international symposium, FMCO 2010 Graz, Austria, November 29-December 1, 2010 : revised papers / Bernhard K. Aichernig, Frank S. de Boer, Marcello M. Bonsangue, (eds.)

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Abstrak

This state-of-the-art survey presents the outcome of the 9th Symposium on Formal Methods for Components and Objects, held in Graz, Austria, in November/December 2010. The volume contains 20 revised contributions submitted after the symposium by speakers from each of the following European IST projects: the FP7-IST project AVANTSSAR on automated validation of trust and security of service-oriented architectures; the FP7-IST project DEPLOY on industrial deployment of advanced system engineering methods for high productivity and dependability; the ESF-COST Action IC0701 on formal verification of object-oriented software; the FP7-IST project HATS on highly adaptable and trustworthy software using formal models; the FP7-SST project INESS on an integrated European railway signalling system; the FP7-IST project MADES on a model-driven approach to improve the current practice in the development of embedded systems; the FP7-IST project MOGENTES on model-based generation of tests for dependable embedded systems; as well as the FP7-IST project MULTIFORM on integrated multi-formalism tool support for the design of networked embedded control systems.