

Silvino José Silva Bastos

"Modelagem de Sistemas de Tempo Real: Uma Abordagem Formal para Modelagem Orientada a Objetos"

This dissertation aims to explore the Requirements Specification of Real-Time Systems, based on Object Oriented Modelling, with the purpose of defining a technique to obtain formal specifications from non-formal object oriented methods. It proposes a technique which provides, through well-specified rules, the transformation of non-formal object oriented models, created in accordance to UML (The Unified Modeling Language), into formal requirements specification, made according to SDL (Specification and Description Language), in order to allow the validation of final product through consistence analysis and the simulation of system behaviour.