Table of Contents

Keynote Talk
Use and Misuse of Safety Models in Design
Session 1: Modeling and Evaluation
On the Effects of Outages on the QoS of GPRS Networks under Different User Characterizations
Combination of Fault Tree Analysis and Model Checking for Safety Assessment of Complex System
BPM Based Robust E-business Application Development (Practical Experience Report)
Session 2: Agreement Protocols
Solving Agreement Problems with Weak Ordering Oracles
An Efficient Solution to the k-Set Agreement Problem
Session 3: Fast Abstracts I
Panel 1: Novel Approaches for Dependable Computing
Novel Approaches in Dependable Computing
An Immune System Paradigm for the Design of Fault Tolerant Systems $\ldots81$ $AlgirdasAvizienis$
Security and Survivability of Large Scale Critical Infrastructures

An Architectural Approach to Fault Treatment in Critical Infrastructures $\dots 86$ José Luiz Fiadeiro
Biologically Inspired Fault-Tolerant Computer Systems
Session 4: Error Detection and Fault Tolerance
Test Set Embedding Based on Phase Shifters
Reset-Driven Fault Tolerance
Towards Dependability Modeling of FT-CORBA Architectures
Session 5: Experimental Validation
Experimental Evaluation of the Unavailability Induced by a Group Membership Protocol
UMLinux – A Versatile SWIFI Tool
A Methodology for Dependability Evaluation of the Time-Triggered Architecture Using Software Implemented Fault Injection
Session 6: Fast Abstracts II
Panel 2: Critical Infrastructure Protection
Session 7: Distributed Algorithms
Fast Indulgent Consensus with Zero Degradation
Probabilistic Queries in Large-Scale Networks

Roadmapping Activities in Dependability
Towards Information Society Dependability Initiative in FP6: Roadmapping Activities in Dependability
Session 8: Real-Time
The Design of a COTS Real-Time Distributed Security Kernel
Wrapping Real-Time Systems from Temporal Logic Specifications253 Manuel Rodríguez, Jean-Charles Fabre, and Jean Arlat
Model-Based Dependability Evaluation Method for TTP/C Based Systems
Author Index 285