SHADOWS

Deliverable D8.1.2/1: Publications and Conferences Report

Project acronym: SHADOWS
Project full title: A Self-healing Approach to Designing Complex Software Systems
Contract no.: 035157

SHADOWS is a Project funded by the EU under contract No. 035157. The Shadows consortium includes IBM Israel - Science and Technology Ltd, Universit`a degli studi di Milano - Bicocca, Universit`at Potsdam, Vysoke Uceni Technicke v Brne, Royal Philips Electronics, Comverse Ltd, ARTISYS, Net Technologies Ltd, Scapa Technologies Ltd.
Executive summary:

This report details the relevant papers published, presentations given and workshops organized by SHADOWS members.

This report is the first of three annual reports, to be issued over the duration of the SHADOWS project. The present report covers the first year of the SHADOWS project.

The report is deliverable D8.1.2/1 of Task 8.1 and in particular, Task 8.1.1.
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1. Introduction

The SHADOWS project is a European Union funded 6th Framework Program that is focused on improving the reliability of complex software systems through the use of self-healing technologies. The main objective is to provide a software paradigm whereby systems can automatically detect, localize and act upon faults within the system.

In order to achieve this objective, the project aims to integrate several emerging self-healing technologies into a single, unified framework that will facilitate the design and deployment of self-healing software.

Workpackage 8 addresses the dissemination of information during the project. The dissemination activities include publication of research reports describing the results of the project. Publication is intended to increase awareness of SHADOWS activities and results, thereby promoting impact. Participation in workshops, either at the organizational level or at the program committee level, helps to ensure that topics relevant to SHADOWS will receive attention.

This report lists the relevant papers and presentations published (or accepted for publication) by project members. The report also lists the part played by project members in the running of relevant events.

This document forms the first instalment of Deliverable D8.1.2 of Task 8.1 (and, in particular, Subtask 8.1.1) in Workpackage 8.

1.1. Document Overview

Section 2 lists the papers and published presentations of project members that are directly related to the SHADOWS project. Section 3 lists the papers and presentations that are relevant to SHADOWS, in the sense that they provide background, but which are not directly related to a specific deliverable. Sections 2 and 3 only contains papers that have wither been published since the start of the SHADOWS project or have been accepted for publication. Section 4 contains a list of relevant papers that have been submitted for consideration for publication, but which have not yet been accepted.

Sections 5 and 6 list the events (workshops, conferences, etc.) in which SHADOWS project members have played a role either as an organizer or as a programme committee member. Section 6 lists the events where the role of the SHADOWS member is restricted to membership of the programme committee. Section 5 lists those events where a SHADOWS project member has had been a chair, either of the whole event or of a session.

2. Papers Related to the SHADOWS Project


3. **Background Papers**


4. Papers Submitted (but not yet accepted)


5. Events Organized


Fourth IBM Academy P3AD’07 (Proactive Problem Prediction And Determination) conference, May 24-25 2007. Member of organizing committee: Onn Shehory.


ICTAC’06, 3rd Int. Colloquium on Theoretical Aspects of Computing, Gammarth/Tunis, Tunisia, 20-24 Nov. 2006, PC for tutorials evaluation. PC member: Tiziana Margaria
6. Program Committee Membership

INFINITY 2006 – International Workshop on Verification of Infinite-State Systems, August 26, 2006, Bonn, Germany, PC member: Tomas Vojnar

MOCA’06 - International Workshop on Modelling of Objects, Components, and Agents, June 26, 2006, Turku, Finland, PC member: Tomas Vojnar


SOQUA’07 – Fourth International Workshop on Software Quality Assurance, September 3-4, 2007, Dubrovnik, Croatia. PC member: Tomas Vojnar


TOOLS EUROPE 2007, 45th TOOLS conference, 24-28 June 2007, ETH Zurich (CH). PC member: Tiziana Margaria


ICFEM’06, 8th Int. Conference on Formal Engineering Methods, Macao, 2-5 Nov. 2006. PC member: Tiziana Margaria

ICSEA 2006, Int. Conf. on Software Engineering Advances, Oct. 29 – 1 Nov., 2006 Tahiti, French Polynesia. PC member: Tiziana Margaria


IFIP WG10.5 Track Chair of BICC, IFIP Conference on Biologically Inspired Cooperative Computing, Track on Design and Technology of Collaborative Self-Organizing Systems, Santiago de Chile, Aug. 2006. PC member: Tiziana Margaria