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Medication double-checking procedures

in clinical practice

Decentralized identifiers (DIDs) are a new type of identifier that enables verifiable, decentralized digital identity. A DID identifies any subject (e.g., a person, organization, thing, data model, abstract entity, etc.) that the controller of the DID decides that it identifies. In contrast to typical, federated identifiers, DIDs have been designed so that they may be decoupled from

Verification Strategies for Establishing Reliability and

We design symbolic model checking algorithms, develop a tool and apply them to two famous examples: Alice-Bob Protocol and Dining Cryptographers Protocol. We compare our tool with MCMAS which is the state-of-the-art model checker of verifying CTLK. The experimental results illustrate the advantages of our model and method.

Chapter 4. The class File Format - Oracle

The Verification Academy is organized into a collection of free online courses, focusing on various key aspects of advanced functional verification. Each course consists of multiple sessions—allowing the participant to pick and choose specific topics of interest, as well as revisit any specific topics for future reference.

UVM | Verification Academy

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Verification Model Checking And Abstract

A list of conferences in formal methods, specification, verification and software engineering An Incomplete List of 172 Conferences in Computer Science Note: this list of conferences and workshops that I find interesting is (as usual) distributed in the hope that it will be useful, but without any warranty.

Faculty | Department of Computer Science

Aldec, Inc. offers a mixed-language simulator with advanced debugging tools for ASIC and FPGA designers. It also includes text, finite state machine and schematic editor and design documentation tools, fpga simulation, fpga simulator, vhdl simulation, verilog simulation, systemverilog simulation, systemc simulation, hdl simulation, hdl simulator, mixed simulation, design entry, hdl design

Effectiveness of double checking to reduce medication

These may address the problem at any level of abstraction (from high-level blocks down to the bare transistor). They can cover both design implementation (for example, physical layout or logic

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synthesis) and design analysis (for example, signal integrity analysis, rule checking, functional verification, and circuit simulation).

Sections & Interest Groups

The verification of these systems is done by providing a formal proof on an abstract mathematical model of the system, One approach and formation is model checking, Subareas of formal verification include deductive verification (see above), abstract interpretation,

Master Learning Maps - Cadence

Verification is the process of checking, confirming, making sure, and being certain. In qualitative research, verification refers to the mechanisms used during the process of research to incrementally contribute to ensuring reliability and validity and, thus, the rigor of a study. the inability to abstract, synthesize or move beyond the

Static program analysis - Wikipedia

Background Double checking medication administration in hospitals is often standard practice, particularly for high-risk drugs, yet its effectiveness in reducing medication administration errors (MAEs) and improving patient outcomes remains unclear. We conducted a systematic review of studies evaluating evidence of the effectiveness of double checking to reduce MAEs. Methods Five databases

A list of conferences in computer science

The wide availability of user-provided content in online social media facilitates the aggregation of people around common interests, worldviews, and narratives. However, the World Wide Web is a fruitful environment for the massive diffusion of unverified rumors. In this work, using a massive quantitative analysis of Facebook, we show that information related to distinct narratives

Research Manuscript Submissions | Design Automation Conference

The Sodramjet engine model is composed of three strut-injectors, a single-stage compression inlet, a combustor, and a nozzle. The dimension of the Sodramjet engine model is 2.2 m in length and 0.55 m in height. The inlet is composed of a 15°-inclined ramp that is 1.6 m in length. The combustor is 0.41 m in length and 0.0765 m in height.

Decentralized Identifiers (DIDs) v1.0

Model Generation and Analysis using PowerSI,
Broadband SPICE, and 3D-EM Virtuoso Abstract
Generator Virtuoso Space-Based Router Virtuoso
Space- Checking Conformal Low-Power Verification
ConformalECO Synthesis and Test Implementation
Silicon Signoff Equivalence Checking

SystemVerilog SVA built in methods - Verification Guide

Abstract. This specification defines an API enabling the creation and use of strong, attested, scoped, public key-based credentials by web applications, for the purpose of strongly authenticating users. Conceptually, one or more public key credentials, each scoped to a given WebAuthn Relying Party, are created by and bound to authenticators as requested by the web application.

HDL Designer Edition - The Design Verification Company

This chapter describes the Java Virtual Machine class file format. Each class file contains the definition of a single class or interface. Although a class or interface need not have an external representation literally contained in a file (for instance, because the class is generated by a class loader), we will colloquially refer to any valid representation of a class or interface as being in

Criteria for hypersonic airbreathing propulsion and its

Background Double-checking is widely recommended as an essential method to prevent medication errors. However, prior research has shown that the concept of double-checking is not clearly defined, and that little is known about actual practice in oncology, for example, what kind of checking procedures are applied. Objective To study the practice of different double-checking procedures in

[2012.10126] Petri Net Based Symbolic Model Checking for

Static program analysis is the analysis of computer software that is performed without actually executing programs, in contrast with dynamic analysis, which is analysis performed on programs while they are executing. In most cases the analysis is performed on some version of the source code, and in the other cases, some form of the object code.. The term is usually applied to the analysis

Web Authentication: An API for accessing Public Key

Software verification may yield spurious failures when environment assumptions are not accounted for. Environment assumptions are the expectations that a system or a component makes about its operational environment and are often specified in terms of conditions over the inputs of that system or component. In this article, we propose an approach to automatically infer environment assumptions

Formal verification - Wikipedia

Statistics is a diverse profession, with statisticians working in areas such as health care, manufacturing, defense, and national security, to name just a few. Each area may make use of different methodologies and applications. To aid our members working in these subdisciplines, the ASA created sections and interest groups, which are subject-area

Combining Genetic Programming and Model Checking to

Verification of Neural Networks, Cyber-Physical
Systems, Formal Analysis of Hybrid Systems Model
Checking, Semantics of Concurrency, CASE Tools for
Safety-Critical Systems, Distributed Languages and
Algorithms. Model Checking, Abstract Interpretation,
Logic and Automata Theory, Control Theory, More.
Rob Johnson. Research Assistant

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