1. Record Nr. UNINA9910702342203321

Autore	Parker Robert G
Titolo	Vibration propagation of gear dynamics in a gear-bearing-housing system using mathematical modeling and finite element analysis / / Robert G. Parker [and three others]
Pubbl/distr/stampa	Cleveland, Ohio : , : National Aeronautics and Space Administration, Glenn Research Center, , 2012
Descrizione fisica	1 online resource (58 pages) : illustrations (some color)
Collana	NASA/CR ; ; 2012-217664
Soggetti	Transmissions (machine elements) Acoustic properties Gears Shafts (machine elements) Vibration measurement Noise propagation Sound waves Energy dissipation Mechanical drives
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Dec. 26, 2012). "August 2012."
Nota di bibliografia	Includes bibliographical references (pages 54-58).

2. Record Nr. UNINA9910781752303321

Titolo	Communicating process architectures 2011 [[electronic resource]] : WoTUG-33 : proceedings of the 33rd WoTUG Technical Meeting, 19-22 June 2011, University of Limerick, Ireland / / edited by Peter H. Welch ... [et al.]
Pubbl/distr/stampa	Amsterdam, The Netherlands, : IOS Press, 2011
ISBN	661328985X 1-283-28985-7 9786613289858 1-60750-774-9
Descrizione fisica	1 online resource (396 p.)
Collana	Concurrent systems engineering series, , 1383-7575 ; ; v. 68
Altri autori (Persone)	WelchP. H
Disciplina	004 004.35
Soggetti	Parallel processing (Electronic computers) occam (Computer program language) Transputers Computer architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Title Page; Preface; Editorial Board; Reviewing Committee; Contents; Implementing Generalised Alt - A Case Study in Validated Design Using CSP; Verification of a Dynamic Channel Model Using the SPIN Model Checker; Programming the CELL-BE Using CSP; Static Scoping and Name Resolution for Mobile Processes with Polymorphic Interfaces; Prioritised Choice over Multiway Synchronisation; An Analysis of Programmer Productivity Versus Performance for High Level Data Parallel Programming; Experiments in Multicore and Distributed Parallel Processing Using JCSP Evaluating an Emergent Behaviour Algorithm in JCSP for Energy Conservation in Lighting SystemsLUNA: Hard Real-Time, Multi-Threaded, CSP-Capable Execution Framework; Concurrent Event-Driven Programming in occam-pi for the Arduino; Fast Distributed Process Creation with the XMOS XS1 Architecture; Serving Web Content with

Dynamic Process Networks in Go; Performance of the Distributed CPA Protocol and Architecture on Traditional Networks; Object Store Based Simulation Interworking; A Model for Concurrency Using Single-Writer Single-Assignment Variables; The Computation Time Process Model SystemVerilogCSP: Modeling Digital Asynchronous Circuits Using SystemVerilog InterfacesProcess-Oriented Subsumption Architectures in Swarm Robotic Systems; A Systems Re-Engineering Case Study: Programming Robots with occam and Handel-C; The Flying Gator: Towards Aerial Robotics in occam-pi; CONPASU-Tool: A Concurrent Process Analysis Support Tool Based on Symbolic Computation; Development of an ML-Based Verification Tool for Timed CSP Processes; Mobile Processes and Call Channels with Variant Interfaces (a Duality); Adding Formal Verification to occam-pi; Subject Index; Author Index

Sommario/riassunto

This book is a collection of the papers presented at the 33rd Communicating Process Architecture (CPA) conference, held at the University of Limerick, Ireland, 19-22 June, 2011. It was hosted by Lero, the Irish Software Engineering Research Centre, and co-located with FM 2011 (the 17th International Symposium on Formal Methods), SEW-34 (the 34th Annual IEEE Software Engineering Workshop) and several specialist workshops and tutorials. These CPA proceedings contain the results from rich seams of research covering many of the key issues in modern computer science, which all seem to concern concu