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Dhiraj Kumar

Dhiraj Kumar Education July 2016-May 2020 Indian Institute of Technology Kharagpur, BTech. Industrial and Mar 4th, 2024

Fault Estimation And Fault Tolerant Control Based On Bond ...

The Bond Graph Has Been Defined By Henry Paynter In 1961 [12], Subsequently Developed By Karnopp In 1975 [13], Rosenberg In 1983 [14] And Then Breedveld In 1985 [15]. It Is An Excellent Tool To Model Complex and Multidisciplinary Systems. The Bon May 2th, 2024

Designing Fault Resilient And Fault Tolerant Systems With ...

Designing Fault Resilient And Fault Tolerant Systems With InfiniBand Dhabaleswar K. (DK) Panda The Ohio State University E-ma Jan 2th, 2024

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John P. Hayes Advanced Computer Architecture Laboratory Dept. Of Electrical Engineering & Computer Science University Of Michigan 1301 Beal Avenue Ann Arbor, MI 48109, USA Quantum Computation Is A Recently-introduced And Novel Computing Technique Which Is Jan 1th, 2024

A FAULT-TOLERANT COMPUTER ARCHITECTURE FOR SPACE ...

Thesis Committee, Dr. Ross Snider And Mr. Randy Larimer, As Well As Dr. Todd Kaiser, Who With Dr. Snider Was A Supervising Faculty Member On The Project. I Also Want To Thank Leigh Smith With NASA's Marshall Space Flight Center And Robert Ray Jr. For Their Supervision And Advice Throughout The Project. Fellow Students Jylissa Whisenhunt, Jan 3th, 2024

DESIGN AND PERFORMANCE ANALYSIS OF FAULT TOLERANT TTCAN ...

DESIGN AND PERFORMANCE ANALYSIS OF FAULT TOLERANT TTCAN SYSTEMS By AAKASH ARORA THESIS Submitted To The Graduate School Of Wayne State University, Detroit, Michigan In Partial Fulfillment Of The Requirements For The Degree Of MASTER OF SCIENCE August 2005 MAJOR: COMPUTER ENGINEERING ... Apr 4th, 2024

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Software Design For A Fault-Tolerant Communications ...

Naval Security Group Activity, Fort Meade 9800 Savage Road Fort Meade, MD 20755 USA (2) Code CS/Rp, U.S. Naval Postgraduate School Monterey, CA 93943 USA (410)688-2515, (831) 656-2462 Gkhunter@newsguy.com , Rowe@cs.nps.navy.mil Abstract We Describe A Design Of Fault-tol Mar 1th, 2024

Fault Tolerant Server NEC Express5800/R320g

- Support For High Ambient Temperature Operation Up To 40°C (104°F) Overview ... Of Major Subsystems Without Shutting Down The System, By Supporting ... Are Subject To Change Without Prior Notice NEC Shall Not Be Responsible For Technical Or Editorial Errors Models May Vary For Each Country Please Refer To Your Local NEC Mar 5th, 2024

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Fault-Tolerant Sliding Mode Control Of A Quadrotor UAV ...

Diverse Control Techniques For The Most Part Intended For UAVs Are Feedback Linearization [2], [3], Back-stepping Control [4], And Siding Mode Control (SMC) [5], [6]. Manuscript Received November 22, 2018; Revised July 22, 2019. Some Different Techniques Are Implemented On A Linearized Model Of Quadrotor And A Comparison Of The Mar 1th, 2024

Passive Fault Tolerant Control - IntechOpen

The Passive FTC Approach Has The Drawback Of Being Reliable Only For The Class Of Faults Expected And Taken Into Account In The Design. However, It Has The Advantage Of Avoiding The Time Delay Required In Active FTC For On-line Fault Diagnosis And Control Recon Guration (42; 54), Which Is Very Important In Practical Situations Where May 1th, 2024

Performance And Reliability Analysis Of New Fault-Tolerant ...

Methods Used In The Advanced Omega Network. The Fault-Tolerant Advanced Omega Network Consists Of An Advanced Omega Network With One Additional Stage At The Input Allow The Bypass, When Desired, Of The Extra Stage Or The Output Stage. Thus, It Has A Relatively Low Incremental Cost Over The Advanced Omega Network And Achieves Better Reliability. Feb 1th, 2024

New Fault-Tolerant Control Strategy Of Five-Phase ...

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PortLand: A Scalable Fault-Tolerant Layer 2 Data Center ...

PortLand: A Scalable Fault-Tolerant Layer 2 Data Center Network Fabric Radhika Niranjana Mysore, Andreas Pamboris, Nathan Farrington, Nelson Huang, Pardis Miri, Sivasankar Radhakrishnan, Vikram Subramanya, And Amin Vahdat Department Of Computer Science And Engineering University Of California San Diego Feb 5th, 2024

Resilient Distributed Datasets: A Fault-Tolerant ...

Interactive Data Mining, Where A User Runs Multiple Ad-hoc Queries On The Same Subset Of The Data. Unfortunately, In Most Current Frameworks, The Only Way To Reuse Data Between Computations (e.g., Between Two MapReduce Jobs) Is To Write It To An External Stable Storage System Jan 4th, 2024

Fault-Tolerant Model Predictive Control Algorithm For Path ...

Control Algorithm For Path Tracking Of Autonomous Vehicle. The Nonlinear Single-track Dynamic Vehicle Model Is Established As The Research Object And The Linearization Is Carried Out By Using Taylor Expansion. The Model Predictive Control Algorithm Is Designed For Lateral Path Jan 2th, 2024

Algorithm-Based Secure And Fault Tolerant Outsourcing Of ...

With The Advent Of General Fully-Homomorphic Encryption (FHE) Schemes As In [7], Any Computation Can Be Securely Outsourced. However, Such Schemes Suffer From Efficiency Issues As The Key Size And The Cipher-text Size Are Too Long Compared To The Plain-text Size. This Mar 2th, 2024

Battleship: Byzantine Fault Tolerant Raft

Battleship Retains Raft's Centralized Nature, Aligning With Raft's Original Objective Of An Understandable Consensus Algorithm While Maintaining Safety, Fault Tolerance, And Liveness Under Weak Synchrony In A Byzantine Environment. We Implement A Prototype Of Battleship In Python, Building Off A Previously Existing Open Source May 2th, 2024

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Fault Tolerant Low Speed CAN- Transceiver

Fault Tolerant Low Speed CAN-Transceiver TLE6254-3G Data Sheet 3 Rev. 2.1, 2007-08-09 Features • Data Transmission Rate Up To 125 Kbaud • Low Current Consumption In Stand-by And Sleep Operation Mode, Including BUS Wake-up May 3th, 2024

Fault-Tolerant Components On AWS

Can Be Done Through An API Invocation, Scriptable Command-line Tools, Or The AWS Management Console. Additionally, An Auto Scaling Group Can Be Configured To Automatically Replace Failed Or Degraded Instances. The Ability To Quickly Replace A Problematic Instance Is Just The First Step Toward Mar 4th, 2024

MAX3054/MAX3055/ 80V Fault-Protected/Tolerant CAN ...

Of The Bus Lines In A Controller Area Network (CAN). The Devices Provide Differential Transmit Capability And Switch To Single-mode If Certain Fault Conditions Occur. The MAX3054/MAX3055/MAX3056 Guarantee Full Wakeup Capability During Failure Modes. The Extended Fault-pr May 2th, 2024

FAULT-TOLERANT ARCHITECTURES FOR SPACE AND ...

Fault Confinement Can Be Achieved Through The Liberal Use Of Fault-detection Circuits, Consistency Checks Before Performing A Function (“mutual Suspicion”), And Multiple Requests/confirmations Before Executing A Function. These Techniques May Be Applied In Both H Jan 5th, 2024

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