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~~Modeling and Control of Logical Discrete Event Systems ---~~

Modeling and Control of Discrete-event Dynamic Systems: with Petri Nets and Other Tools. Discrete-event dynamic systems (DEDs) permeate our world, being of great importance in modern manufacturing processes, transportation and various forms of computer and communications networking. Modeling and Control of Discrete-event Dynamic Systems begins with the mathematical basics required for the study of DEDs and moves on to present various tools used in their modeling and control.

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~~Modeling and Control of Discrete-event Dynamic Systems ---~~

Actuators | Free Full-Text | Modeling, Identification, and Control of a Discrete Variable Stiffness Actuator (DVSA) | HTML. A branch of robotics, variable impedance actuation, along with one of its subfields variable stiffness actuation (VSA) targets the realization of complaint robotic manipulators. In this paper, we present the modeling, identification, and control of a discrete variable stiffness actuator (DVSA), which will be developed for complaint manipulators in the future.

~~Modeling, Identification, and Control of a Discrete ---~~

Modeling and control of discrete event systems (DES) have been studied by control engineers and scientists for more than 25 years. During this period, many modeling approaches have been proposed, including most notably automata or finite state machines [1] , [2] , Petri nets [3] , [4] and their variations such as vector DES [5] , [6] and event graphs [7] , queuing systems [2] and generalized semi-Markov processes [8] .

~~Modeling and control of discrete event systems using ---~~

Modeling and Control of Logical Discrete Event Systems. Usually dispatched within 3 to 5 business days. Usually dispatched within 3 to 5 business days. The field of discrete event systems has emerged to provide a formal treatment of many of the man-made systems such as manufacturing systems, communica tion networks, automated traffic systems, database management systems, and computer systems that are event-driven, highly complex, and not amenable to the classical treatments based on ...

~~Modeling and Control of Logical Discrete Event Systems ---~~

Moreover, we apply an optimal control strategy in order to fight against the spread of the rumor through social media; regarding to this, we use theoretical results provided by Balatif et al. , where authors implemented a discrete time model that describes the dynamics of voters, and they proposed an optimal control strategy; the same idea and strategy were applied by Labzai et al. , and in order to modeling and control smoking, Kouidere et al. suggested a model of the evolution from ...

~~A Discrete Mathematical Modeling and Optimal Control of ---~~

Modeling and Control of Discrete-event Dynamic Systems begins with the mathematical basics required for the study of DEDs and moves on to present various tools used in their modeling and control. Among the instruments explained are many forms of Petri net, Grafcet (the sequential function chart), state charts, formal languages and max-plus algebra; all essential for control students to become proficient with DEDs and to make use of them in practical applications.

~~Modeling and Control of Discrete-event Dynamic Systems ---~~

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~~Modeling and Control of Discrete-event Dynamic Systems ---~~

As discussed in Chapter 11 of Control Loop Foundation II Batch and Continuous Processes, some field devices used in the process industryrequire that the control system provide a pulsed output interface. For example, in the plastics industry extruders are often used to process plastic pellets into various products.

~~discrete — Modeling and Control~~

Buy Discrete Event Systems: Modeling and Control: Proceedings of a Joint Workshop held in Prague, August 1992 (Progress in Systems and Control Theory) by S. Balemi, P. Kozák, Rein Smedinga (ISBN: 9783764328450) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

~~Discrete Event Systems: Modeling and Control: Proceedings ---~~

A general reinforcement-learning approach for controlling discrete event systems is presented. A machine-repair example is form ulated: (1) to describe and explain the DEVS formulation, and (2) to illustrate the general control method. Modified gradient learning meth ods and evolutionary programming methods are compared for the purpose of optimizing the controller.

~~MODELING AND CONTROL OF DISCRETE EVENT DYNAMIC SYSTEMS: A ---~~

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~~Modeling and Control of Discrete-event Dynamic Systems ---~~

In a feedforward NN based state space modeling and control of discrete systems are considered. They claim that their approach does not rely on a physical principle model of the dynamic system. But, the network outputs have been considered as the state variables which have to be available to train the network.

~~Discrete state space modeling and control of nonlinear ---~~

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~~Modeling and Control of Discrete-Event Dynamic Systems ---~~

Book Description Neural Networks Modelling and Control: Applications for Unknown Nonlinear Delayed Systems in Discrete Time focuses on modeling and control of discrete-time unknown nonlinear delayed systems under uncertainties based on Artificial Neural Networks. First, a Recurrent High Order Neural Network (RHONN) is used to identify discrete-time unknown nonlinear delayed systems under uncertainties, then a RHONN is used to design neural observers for the same class of systems.