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China is an ancient civilization with 5000 years of history but, in modern times it had been reduced to a semi-colonial, semi-feudal society, having suffered the invasion of Western powers ...

To understand modern China, one must understand the history of the Communist Party of China
During a June webinar sponsored by ForgeRock and hosted by Becker's Hospital Review, a panel of identity management experts discussed the security threats that healthcare organizations face and the ...

Modern identity management solutions to advance healthcare's digital transformation – 5 takeaways
Raised in Fujian to tech-entrepreneurial parents, Chen is in many ways a quintessential modern Chinese ... the e-CNY to further monitor its people, control dissent and incentivize or dissuade ...

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"I painted this image in Photoshop. And when it was done I knew that I had to try to bring this game to life. That image has been our guiding star style-wise since then." ...

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Exceed Solar's modern living spaces are the next generation of housing solutions poised to become the most efficient ... certain of which are beyond the control of the Company including, but not ...

Visionstate Announces Exceed Solar MOU with Ecoplast Solutions for High-tech, Sustainable Living Spaces
Instead of only existing in the hands of a few technical experts, the APM platform must be available and accessible to everyone who might benefit from information the solution is monitoring.

Democratization of APM is not a pipe dream
Donald Trump has sued Facebook, Twitter and YouTube for deplatforming him. In his suits, he mainly claims that those tech platforms were essentially coerced by the federal government to ban speech ...

Trump has a point: Facebook's policing of speech is ominous
In the corporate world, COVID-19 has seriously affected the security sector– both physical and cybersecurity. Traditionally, physical building security and cybersecurity have been viewed as separate ...

The Convergence of the Physical and Digital Security Worlds
"We didn't realize that in 2019 and 2020, China's internet control became much stricter than in the past." Chen Kun was born ... revolutionary or modern culture. Mutual reporting continued ...

He tried to commemorate erased history. China detained him, then erased that too
Connected, data-driven access control solutions create a modern, enhanced healthy building environment that will continue to exceed expectations and pay dividends long after the pandemic has passed.

Touchless Access Control Continues to Expand its Mission
Prof Chen Chien-jen, from the Academia Sinica genomics research centre, says authorities thought they had the pandemic under control with ... vaccines is the ultimate solution to bring the global ...

A victim of its own success: how Taiwan failed to plan for a major Covid outbreak
Enterprises are increasingly moving online as part of the process of digital transformation. Migrating to the cloud makes it easier to deploy and manage new capabilities to meet business needs, ...

Creating A Cloud-Based Culture Of Security In Modern Enterprises
Leading global pay provider CloudPay today announced the public launch of CloudPay NOW. The newest solution in CloudPay's extensive offerings, CloudPay NOW, addresses the financial wellness pressures ...

CloudPay Announces Global Earned Wage Access Offering, Elevating the Modern Pay Experience
solutions for business, residential, government, logistics and utility customers and investors, today announced the appointment of Janet Jie Chen as its new Chief Financial Officer. Ms. Chen will ...

SPI Energy Co., Ltd.: SPI Appoints 20+ Year Finance Veteran Janet Jie Chen as CFO
We believe that our forward-thinking solution will help the world prepare for whatever may come our way in the future, and move us one step closer to sharing without limitations," said Chen.

About the book... The book provides an integrated treatment of continuous-time and discrete-time systems for two courses at postgraduate level, or one course at undergraduate and one course at postgraduate level. It covers mainly two areas of modern control theory, namely; system theory, and multivariable and optimal control. The coverage of the former is quite exhaustive while that of latter is adequate with significant provision of the necessary topics that enables a research student to comprehend various technical papers. The stress is on interdisciplinary nature of the subject. Practical control problems from various engineering disciplines have been drawn to illustrate the potential concepts. Most of the theoretical results have been presented in a manner suitable for digital computer programming along with the necessary algorithms for numerical computations.

This work presents traditional methods and current techniques of incorporating the computer into closed-loop dynamic systems control, combining conventional transfer function design and state variable concepts. Digital Control Designer - an award-winning software program which permits the solution of highly complex problems - is available on the CR

This comprehensive work presents the status and likely development of fault diagnosis, an emerging discipline of modern control engineering. It covers fundamentals of model-based fault diagnosis in a wide context, providing a good introduction to the theoretical foundation and many basic approaches of fault detection.

This book presents a methodology based on inverse problems for use in solutions for fault diagnosis in control systems, combining tools from mathematics, physics, computational and mathematical modeling, optimization and computational intelligence. This methodology, known as fault diagnosis – inverse problem methodology or FD-IPM, unifies the results of several years of work of the authors in the fields of fault detection and isolation (FDI), inverse problems and optimization. The book clearly and systematically presents the main ideas, concepts and results obtained in recent years. By formulating fault diagnosis as an inverse problem, and by solving it using metaheuristics, the authors offer researchers and students a fresh, interdisciplinary perspective for problem solving in these fields. Graduate courses in engineering, applied mathematics and computing also benefit from this work.

The book provides a state-of-art overview of computational methods for nonlinear aeroelasticity and load analysis, focusing on key techniques and fundamental principles for CFD/CSD coupling in temporal domain. CFD/CSD coupling software design and applications of CFD/CSD coupling techniques are discussed in detail as well. It is an essential reference for researchers and students in mechanics and applied mathematics.

Linear Stochastic Control Systems presents a thorough description of the mathematical theory and fundamental principles of linear stochastic control systems. Both continuous-time and discrete-time systems are thoroughly covered. Reviews of the modern probability and random processes theories and the Itô stochastic differential equations are provided. Discrete-time stochastic systems theory, optimal estimation and Kalman filtering, and optimal stochastic control theory are studied in detail. A modern treatment of these same topics for continuous-time stochastic control systems is included. The text is written in an easy-to-understand style, and the reader needs only to have a background of elementary real analysis and linear deterministic systems theory to comprehend the subject matter. This graduate textbook is also suitable for self-study, professional training, and as a handy research reference. Linear Stochastic Control Systems is self-contained and provides a step-by-step development of the theory, with many illustrative examples, exercises, and engineering applications.

This concise book covers modern sliding mode control theory. The authors identify key contributions defining the theoretical and applicative state-of-the-art of the sliding mode control theory and the most promising trends of the ongoing research activities.

The core of this textbook is a systematic and self-contained treatment of the nonlinear stabilization and output regulation problems. Its coverage embraces both fundamental concepts and advanced research outcomes and includes many numerical and practical examples. Several classes of important uncertain nonlinear systems are discussed. The state-of-the art solution presented uses robust and adaptive control design ideas in an integrated approach which demonstrates connections between global stabilization and global output regulation allowing both to be treated as stabilization problems. Stabilization and Regulation of Nonlinear Systems takes advantage of rich new results to give students up-to-date instruction in the central design problems of nonlinear control, problems which are a driving force behind the furtherance of modern control theory and its application. The diversity of systems in which stabilization and output regulation become significant concerns in the mathematical formulation of practical control solutions–whether in disturbance rejection in flying vehicles or synchronization of Lorenz systems with harmonic systems–makes the text relevant to readers from a wide variety of backgrounds. Many exercises are provided to facilitate study and solutions are freely available to instructors via a download from springerextras.com. Striking a balance between rigorous mathematical treatment and engineering practicality, Stabilization and Regulation of Nonlinear Systems is an ideal text for graduate students from many engineering and applied-mathematical disciplines seeking a contemporary course in nonlinear control. Practitioners and academic theorists will also find this book a useful reference on recent thinking in this field.

Through the individual characteristics of China's political leaders, a nation-building process began. Chinese leaders fell into two categories of reformers: conservative and liberal. Conservative reformers saw a corruption of the moral order of society that needed to be eliminated in order to restore the country's moral integrity, while liberal reformers attempted to embrace the flaws and lead China toward Socialism. One hundred Chinese leaders--from the Opium War to 2001--are profiled in this comprehensive biographical dictionary. This book provides the most up-to-date coverage of modern Chinese political leadership during the Imperial, Republican, and Communist periods. Political leaders throughout each period had a common desire for reform within the country while maintaining China's political and cultural legacy. Leung invokes the uniqueness of those leaders in their struggle for personal gain and national improvement as they fought to preserve traditional values. Written by 30 international scholars and experts in the field using both Western and Chinese sources, this is the most authoritative dictionary on the subject.

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