

Api Rp 551 Process Measurement

This research volume serves as a comprehensive resource for psychophysiological research on media responses. It addresses the theoretical underpinnings, methodological techniques, and most recent research in this area. It goes beyond current volumes by placing the research techniques within a context of communication processes and effects as a field, and demonstrating how the real-time measurement of physiological responses enhances and complements more traditional measures of psychological effects from media. This volume introduces readers to the theoretical assumptions of psychophysiology as well as the operational details of collecting psychophysiological data. In addition to discussing specific measures, it includes brief reviews of recent experiments that have used psychophysiological measures to study how the brain processes media. It will serve as a valuable reference for media researchers utilizing these methodologies, or for other researchers needing to understand the theories, history, and methods of psychophysiological research.

This book constitutes the refereed proceedings of the Second International Symposium on Benchmarking, Measuring, and Optimization, Bench 2019, held in Denver, CO, USA, in November 2019. The 20 full papers and 11 short papers presented were carefully reviewed and selected from 79 submissions. The papers are organized in topical sections named: Best Paper Session; AI Challenges on Cambircon using AIBenc; AI Challenges on RISC-V using AIBench; AI Challenges on X86 using AIBench; AI Challenges on 3D Face Recognition using AIBench; Benchmark; AI and Edge; Big Data; Datacenter; Performance Analysis; Scientific Computing.

IEEE 45™-2002 is an excellent standard, which is widely used for selecting shipboard electrical and electronic system equipment and its installation. The standard is a living document often interpreted differently by different users. Handbook to IEEE Standard 45™: A Guide to Electrical Installations on Shipboard provides a detailed background of the changes in IEEE Std 45-2002 and the reasoning behind the changes as well as explanation and adoption of other national and international standards. It contains the complete text of IEEE 45™-2002 relevant clauses, along with explanatory commentary consisting of: - Recommendation intent and interpretation - Historical perspective - Application - Supporting illustrations, drawings and tables This Handbook provides necessary technical details in a simplified form to enhance understanding of the requirements for technical and non-technical people in the maritime industry.

Some vols., 1920-1949, contain collections of papers according to subject.

Unsurpassed in its coverage, usability, and authority since its first publication in 1969, the three-volume Instrument Engineers' Handbook continues to be the premier reference for instrument engineers around the world. It helps users select and implement hundreds of measurement and control instruments and analytical devices and design the most cost-effective process control systems that optimize production and maximize safety. Now entering its fourth edition, Volume 1: Process Measurement and Analysis is fully updated with increased emphasis on installation and maintenance consideration. Its coverage is now fully globalized with product descriptions from manufacturers around the world. Béla G. Lipták speaks on Post-Oil Energy Technology on the AT&T Tech Channel.

Natural Gas Measurement HandbookElsevier

This book provides designers and operators of chemical process facilities with a general philosophy and approach to safe automation, including independent layers of safety. An expanded edition, this book includes a revision of original concepts as well as chapters that address new topics such as use of wireless automation and Safety Instrumented Systems. This book also provides an extensive bibliography to related publications and topic-specific information.

The Safety Valve Handbook is a professional reference for design, process, instrumentation, plant and maintenance engineers who work with fluid flow and transportation systems in the process industries, which covers the chemical, oil and gas, water, paper and pulp, food and bio products and energy sectors. It meets the need of engineers who have responsibilities for specifying, installing, inspecting or maintaining safety valves and flow control systems. It will also be an important reference for process safety and loss prevention engineers, environmental engineers, and plant and process designers who need to understand the operation of safety valves in a wider equipment or plant design context. No other publication is dedicated to safety valves or to the extensive codes and standards that govern their installation and use. A single source means users save time in searching for specific information about safety valves The Safety Valve Handbook contains all of the vital technical and standards information relating to safety valves used in the process industry for positive pressure applications. Explains technical issues of safety valve operation in detail, including identification of benefits and pitfalls of current valve technologies Enables informed and creative decision making in the selection and use of safety valves The Handbook is unique in addressing both US and European codes: - covers all devices subject to the ASME VIII and European PED (pressure equipment directive) codes; - covers the safety valve recommendations of the API (American Petroleum Institute); - covers the safety valve recommendations of the European Normalisation Committees; - covers the latest NACE and ATEX codes; - enables readers to interpret and understand codes in practice Extensive and detailed illustrations and graphics provide clear guidance and explanation of technical material, in order to help users of a wide range of experience and background (as those in this field tend to have) to understand these devices and their applications Covers calculating valves for two-phase flow according to the new Omega 9 method and highlights the safety difference between this and the traditional method Covers selection and new testing method for cryogenic applications (LNG) for which there are currently no codes available and which is a booming industry worldwide Provides full explanation of the principles of different valve types available on the market, providing a selection guide for safety of the process and economic cost Extensive glossary and terminology to aid readers' ability to understand documentation, literature, maintenance and operating manuals Accompanying website provides an online valve selection and codes guide.

This book reviews the statistical procedures used to detect measurement bias. Measurement bias is examined from a general latent variable perspective so as to accommodate different forms of testing in a variety of contexts including cognitive or clinical variables, attitudes, personality dimensions, or emotional states. Measurement models that underlie psychometric practice are described, including their

strengths and limitations. Practical strategies and examples for dealing with bias detection are provided throughout.

In recent years, process safety management system compliance audits have revealed that organizations often have significant opportunities for improving their Mechanical Integrity programs. As part of the Center for Chemical Process Safety's Guidelines series, Guidelines for Mechanical Integrity Systems provides practitioners a basic familiarity of mechanical integrity concepts and best practices. The book recommends efficient approaches for establishing a successful MI program.

During the past decade, a rising interest has emerged in aspects of the broad construct of executive function (EF) in childhood. This has transpired as research has discovered that the development of EF is particularly rapid during early childhood, and that the healthy development of EF appears to play a key role in children's developing social competence and academic and social readiness to attend school. The articles presented in this special issue help advance our understanding of the development of EF, as well as the challenges researchers face when attempting to characterize an aspect of cognition in very young children. Ultimately, this special issue illuminates the many ways in which children come to exhibit age-appropriate levels of social and cognitive competence.

The second edition of a bestseller, this book presents the latest innovative research methods that help break new ground by applying patterns, reuse, and design science to research. The book relies on familiar patterns to provide the solid fundamentals of various research philosophies and techniques as touchstones that demonstrate how to innovate research methods. Filled with practical examples of applying patterns to IT research with an emphasis on reusing research activities to save time and money, this book describes design science research in relation to other information systems research paradigms such as positivist and interpretivist research.

Las plantas de proceso y energía requieren, para su funcionamiento seguro y eficiente, complejos sistemas de control. Estos, a su vez, se apoyan en multitud de instrumentos, así como en redes de comunicaciones digitales industriales. Por todo ello, en los proyectos de ingeniería de tales plantas, la parte correspondiente a los sistemas de control e instrumentación ocupa un lugar esencial. Este libro, escrito por profesionales especializados en diversos aspectos de estas tecnologías, sirve de guía para el desarrollo de tales proyectos. Su enfoque eminentemente práctico no descuida los fundamentos básicos teóricos de las disciplinas involucradas. El contenido del libro puede ser útil tanto a los profesionales con experiencia en estas materias como para aquellos lectores que se están iniciando en este apasionante campo de la ingeniería. La edición digital del libro ha facilitado el complementarlo con utilidades y programas de cálculo de diversas tareas en los proyectos, lo que enriquece su valor como herramienta para las labores de ingeniería y le otorga una nueva dimensión práctica. INDICE: INGENIERIA DE PROYECTOS DE INSTRUMENTACION. Conceptos generales. Conceptos básicos de plantas de proceso. Sistemas de control. Sistemas de transportes de señales. Protección de instrumentos. Norma aplicable a los proyectos. Recursos informáticos. INGENIERIA BÁSICA. Anexos. ACTIVIDADES DE 1ª FASE DE PROYECTO. Conceptos generales. Otras actividades. Software complementario y corporativo. Sistemas auxiliares. Anexos. GENERALIDADES DE 2ª FASE DE PROYECTO. Conceptos Generales. Documentación de montaje de instrumentos. Actividades de obra. GESTIÓN DE PROYECTOS . UTILIDADES

This book is an update and expansion of topics covered in Guidelines for Mechanical Integrity Systems (2006). The new book is consistent with Risk-Based Process Safety and Life Cycle approaches and includes details on failure modes and mechanisms. Also, example testing and inspection programs is included for various types of equipment and systems. Guidance and examples are provided for selecting and maintaining critical safety systems.

Safety in the process industries is critical for those who work with chemicals and hazardous substances or processes. The field of loss prevention is, and continues to be, of supreme importance to countless companies, municipalities and governments around the world, and Lees' is a detailed reference to defending against hazards. Recognized as the standard work for chemical and process engineering safety professionals, it provides the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing three volume reference instead. The process safety encyclopedia, trusted worldwide for over 30 years Now available in print and online, to aid searchability and portability Over 3,600 print pages cover the full scope of process safety and loss prevention, compiling theory, practice, standards, legislation, case studies and lessons learned in one resource as opposed to multiple sources

This book provides the tools and techniques, management principles, procedures, concepts, and methods to ensure the successful completion of an oil and gas project while also ensuring the proper design, procurement, and construction for making the project most qualitative, competitive, and economical for safer operational optimized performance. It discusses quality during design, FEED, detailed engineering, selection of project teams, procurement procedure of EPC contract, managing quality during mobilization, procurement, execution, planning, scheduling, monitoring, control, quality, and testing to achieve the desired results for an oil and gas project. This book provides all the related information to professional practitioners, designers, consultants, contractors, quality managers, project managers, construction managers, and academics/instructors involved in oil and gas projects and related industries. Features Provides information on the various quality tools used to manage construction projects from inception to handover Discusses the life cycle phases, developed on systems engineering approach, and how it is divided into manageable activity/element/components segments to manage and control the project Includes a wide range of tools, techniques, principles, and procedures used to address quality management Covers quality management systems and development of quality management systems manuals Discusses quality and risk management, and health, safety, and environmental management during the design and construction process

In this volume prominent scholars from both psychology and education describe how these new rules of measurement work and how they differ from the old rules. Several contributors have been involved in the recent construction or revision of a major test, while others are well-known for their theoretical contributions to measurement. The goal is to provide an integrated yet comprehensive reference source concerned with contemporary issues and approaches in testing and measurement.

This book is a printed edition of the Special Issue "Rietveld Refinement in the Characterization of Crystalline Materials" that was published in Crystals

Este libro es la respuesta a la necesidad creciente de encontrar una obra en español sobre un tema tan nuevo y tan integrado en el sector de Procesos como el de los Sistemas Instrumentados de Seguridad. Explica claramente y recorre paso a paso todos los aspectos del ciclo de vida de seguridad, basándonos en los estándares europeos IEC-61508 e IEC-61511 y la normativa americana ISA-84.00.01. El texto muestra la normativa aplicable, la que es de obligado cumplimiento y la que no, estudio de las Capas de Protección (IPL), diseño conceptual, los documentos que se originan en cada etapa del proyecto, qué información proporcionan, cómo se utiliza esa información, Los métodos de análisis de Riesgos y los métodos de asignación de SIL. Se analiza la Instrumentación de Campo y la lógica con respecto a la Seguridad Funcional, los tipos de instrumentos, su instalación, su mantenimiento, así como a la especificación de Seguridad (SRS), el detalle de cada Función Instrumentada de Seguridad (SIF), cómo se verifica una SIF, qué aspectos hay que considerar en su verificación, las distintas arquitecturas y su influencia en los resultados de Probabilidad de Fallo en Demanda (PFD), Disponibilidad (A) y Fiabilidad (R)

This book offers a timely review of cutting-edge applications of computational intelligence to business management and financial analysis. It covers a wide range of intelligent and optimization techniques,

reporting in detail on their application to real-world problems relating to portfolio management and demand forecasting, decision making, knowledge acquisition, and supply chain scheduling and management. This information-packed volume covers all aspects of natural gas measurement.

The Instrument and Automation Engineers' Handbook (IAEH) is the #1 process automation handbook in the world. Volume one of the Fifth Edition, Measurement and Safety, covers safety sensors and the detectors of physical properties. Measurement and Safety is an invaluable resource that: Describes the detectors used in the measurement of process variables Offers application- and method-specific guidance for choosing the best measurement device Provides tables of detector capabilities and other practical information at a glance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers, including suppliers' web addresses Complete with 163 alphabetized chapters and a thorough index for quick access to specific information, Measurement and Safety is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders' list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.

A Practical Handbook for Drilling Fluids Processing delivers a much-needed reference for drilling fluid and mud engineers to safely understand how the drilling fluid processing operation affects the drilling process. Agitation and blending of new additions to the surface system are explained with each piece of drilled solids removal equipment discussed in detail. Several calculations of drilled solids, such as effect of retort volumes, are included, along with multiple field methods, such as determining the drilled solids density. Tank arrangements are covered as well as operating guidelines for the surface system. Rounding out with a solutions chapter with additional instruction and an appendix with equation derivations, this book gives today's drilling fluid engineers a tool to understand the technology available and step-by-step guidelines of how-to safety evaluate surface systems in the oil and gas fields. Presents practical guidance from real example problems that are encountered on drilling rigs Helps readers understand multiple field methods and drilled solids calculations with the help of practice questions Gives readers what they need to master each piece of drilling fluid processing equipment, including mud cleaners and safe mud tank arrangements

Beginning and experienced programmers will use this comprehensive guide to persistent memory programming. You will understand how persistent memory brings together several new software/hardware requirements, and offers great promise for better performance and faster application startup times—a huge leap forward in byte-addressable capacity compared with current DRAM offerings. This revolutionary new technology gives applications significant performance and capacity improvements over existing technologies. It requires a new way of thinking and developing, which makes this highly disruptive to the IT/computing industry. The full spectrum of industry sectors that will benefit from this technology include, but are not limited to, in-memory and traditional databases, AI, analytics, HPC, virtualization, and big data. Programming Persistent Memory describes the technology and why it is exciting the industry. It covers the operating system and hardware requirements as well as how to create development environments using emulated or real persistent memory hardware. The book explains fundamental concepts; provides an introduction to persistent memory programming APIs for C, C++, JavaScript, and other languages; discusses RMDA with persistent memory; reviews security features; and presents many examples. Source code and examples that you can run on your own systems are included. What You'll Learn Understand what persistent memory is, what it does, and the value it brings to the industry Become familiar with the operating system and hardware requirements to use persistent memory Know the fundamentals of persistent memory programming: why it is different from current programming methods, and what developers need to keep in mind when programming for persistence Look at persistent memory application development by example using the Persistent Memory Development Kit (PMDK) Design and optimize data structures for persistent memory Study how real-world applications are modified to leverage persistent memory Utilize the tools available for persistent memory programming, application performance profiling, and debugging Who This Book Is For C, C++, Java, and Python developers, but will also be useful to software, cloud, and hardware architects across a broad spectrum of sectors, including cloud service providers, independent software vendors, high performance compute, artificial intelligence, data analytics, big data, etc.

The second edition of this reference provides comprehensive examinations of developments in the processing and applications of carbon black, including the use of new analytical tools such as scanning tunnelling microscopy, Fourier transform infrared spectroscopy and inverse gas chromatography.; Completely rewritten and updated by numerous experts in the field to reflect the enormous growth of the field since the publication of the previous edition, Carbon Black: discusses the mechanism of carbon black formation based on recent advances such as the discovery of fullerenes; elucidates micro- and macrostructure morphology and other physical characteristics; outlines the fractal geometry of carbon black as a new approach to characterization; reviews the effect of carbon black on the electrical and thermal conductivity of filled polymers; delineates the applications of carbon black in elastomers, plastics, and zerographic toners; and surveys possible health consequences of exposure to carbon black.; With over 1200 literature citations, tables, and figures, this resource is intended for physical, polymer, surface and colloid chemists; chemical and plastics engineers; spectroscopists; materials scientists; occupational safety and health physicians; and upper-level undergraduate and graduate students in these disciplines.

Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

With new and growing interest in dealing with the hazards of reactive chemicals, this book offers guidelines that can significantly reduce the risk or mitigate the severity of accidents associated with storing and handling reactive materials. Necessary elements of a reliable system to prevent equipment or human failures that might lead to a reactive chemical incident are sound and responsible management policies, together with a combination of superior siting, design, fabrication, erection, inspection, monitoring, maintenance, operations and maintenance of facilities. These Guidelines deal with all of these elements with emphasis on design considerations.

Established by Congress in 1901, the National Bureau of Standards (NBS), now the National Institute of Standards and Technology (NIST), has a long and distinguished history as the custodian and disseminator of the United States' standards of physical measurement. Having reached its centennial anniversary, the NBS/NIST reflects on and celebrates its first century with this book describing some of

its seminal contributions to science and technology. Within these pages are 102 vignettes that describe some of the Institute's classic publications. Each vignette relates the context in which the publication appeared, its impact on science, technology, and the general public, and brief details about the lives and work of the authors. The groundbreaking works depicted include: A breakthrough paper on laser-cooling of atoms below the Doppler limit, which led to the award of the 1997 Nobel Prize for Physics to William D. Phillips The official report on the development of the radio proximity fuse, one of the most important new weapons of World War II The 1932 paper reporting the discovery of deuterium in experiments that led to Harold Urey's 1934 Nobel Prize for Chemistry A review of the development of the SEAC, the first digital computer to employ stored programs and the first to process images in digital form The first paper demonstrating that parity is not conserved in nuclear physics, a result that shattered a fundamental concept of theoretical physics and led to a Nobel Prize for T. D. Lee and C. Y. Yang "Observation of Bose-Einstein Condensation in a Dilute Atomic Vapor," a 1995 paper that has already opened vast new areas of research A landmark contribution to the field of protein crystallography by Wlodawer and coworkers on the use of joint x-ray and neutron diffraction to determine the structure of proteins This book addresses various aspects of in vitro digestibility: • Application of meta-analyses and machine learning methods to predict methane production; • Methane production of sainfoin and alfalfa; • In vitro evaluation of different dietary methane mitigation strategies; • Rumen methanogenesis, rumen fermentation, and microbial community response; • The role of condensed tannins in the in vitro rumen fermentation kinetics; • Fermentation pattern of several carbohydrate sources; • Additive, synergistic, or antagonistic effects of plant extracts; • In vitro rumen degradation and fermentation characteristics of silage and hay; • In vitro digestibility, in situ degradability, and rumen fermentation of camelina co-products; • Ruminant fermentation parameters and microbial matters to odd- and branched-chain fatty acids; • Comparison of fecal versus rumen inocula for the estimation of NDF digestibility; • Rumen inoculum collected from cows at slaughter or from a continuous fermenter; • Seaweeds as ingredients of ruminant diets; • Rumen in vitro fermentation and in situ degradation kinetics of forage Brassica crops; • In vitro digestibility and rumen degradability of vetch varieties; • Intestinal digestibility in vitro of Vicia sativa varieties; • Ruminant in vitro protein degradation and apparent digestibility of Pisum sativum; • In vitro digestibility studies using equine fecal inoculum; • Effects of gas production recording system and pig fecal inoculum volume on kinetics; • In vitro methods of assessing protein quality for poultry; and • In vitro techniques using the DaisyII incubator.

Plant Design and Operations provides practical guidance on the design, operation, and maintenance of process facilities. The book is based on years of hands-on experience gathered during the design and operation of a wide range of facilities in many different types of industry including chemicals, refining, offshore oil and gas, and pipelines. The book helps managers, engineers, operators, and maintenance specialists with advice and guidance that can be used right away in working situations. Each chapter provides information and guidance that can be used immediately. For example, the chapter on Energy Control Procedures describes seven levels of positive isolation — ranging from a closed block valve all the way to double block and bleed with line break. The Safety in Design chapter describes topics such as area classification, fire protection, stairways and platforms, fixed ladders, emergency showers, lighting, and alarms. Other areas covered in detail by the book include security, equipment, and transportation. A logical, practical guide to maintenance task organization is provided, from conducting a Job Hazards Analysis to the issue of a work permit, and to the shutdown and isolation of equipment. Common hazards are covered in detail, including flow problems, high pressure, corrosion, power failure, and many more. Provides information to managers, engineers, operators and maintenance personnel which is immediately applicable to their operations Supported by useful, real-world examples and experience from a wide range of facilities and industries Includes guidance on occupational health and safety, industrial hygiene and personal protective equipment

The two-volume set LNAI 8443 + LNAI 8444 constitutes the refereed proceedings of the 18th Pacific-Asia Conference on Knowledge Discovery and Data Mining, PAKDD 2014, held in Tainan, Taiwan, in May 2014. The 40 full papers and the 60 short papers presented within these proceedings were carefully reviewed and selected from 371 submissions. They cover the general fields of pattern mining; social network and social media; classification; graph and network mining; applications; privacy preserving; recommendation; feature selection and reduction; machine learning; temporal and spatial data; novel algorithms; clustering; biomedical data mining; stream mining; outlier and anomaly detection; multi-sources mining; and unstructured data and text mining.

Since the publication of the Institute of Medicine (IOM) report Clinical Practice Guidelines We Can Trust in 2011, there has been an increasing emphasis on assuring that clinical practice guidelines are trustworthy, developed in a transparent fashion, and based on a systematic review of the available research evidence. To align with the IOM recommendations and to meet the new requirements for inclusion of a guideline in the National Guidelines Clearinghouse of the Agency for Healthcare Research and Quality (AHRQ), American Psychiatric Association (APA) has adopted a new process for practice guideline development. Under this new process APA's practice guidelines also seek to provide better clinical utility and usability. Rather than a broad overview of treatment for a disorder, new practice guidelines focus on a set of discrete clinical questions of relevance to an overarching subject area. A systematic review of evidence is conducted to address these clinical questions and involves a detailed assessment of individual studies. The quality of the overall body of evidence is also rated and is summarized in the practice guideline. With the new process, recommendations are determined by weighing potential benefits and harms of an intervention in a specific clinical context. Clear, concise, and actionable recommendation statements help clinicians to incorporate recommendations into clinical practice, with the goal of improving quality of care. The new practice guideline format is also designed to be more user friendly by dividing information into modules on specific clinical questions. Each module has a consistent organization, which will assist users in finding clinically useful and relevant information quickly and easily. This new edition of the practice guidelines on psychiatric evaluation for adults is the first set of the APA's guidelines developed under the new guideline development process. These guidelines address the following nine topics, in the context of an initial psychiatric evaluation: review of psychiatric symptoms, trauma history, and treatment history; substance use assessment; assessment of suicide risk; assessment for risk of aggressive behaviors; assessment of cultural factors; assessment of medical health; quantitative assessment; involvement of the patient in treatment decision making; and documentation of the psychiatric evaluation. Each guideline recommends or suggests topics to include during an initial psychiatric evaluation. Findings from an expert opinion survey have also been taken into consideration in making recommendations or suggestions. In addition to reviewing the available evidence on psychiatry evaluation, each guideline also provides guidance to clinicians on implementing these recommendations to enhance patient care.

"The new book Mapping Ecosystem Services provides a comprehensive collection of theories, methods and practical applications of ecosystem services (ES) mapping, for the first time bringing together valuable knowledge and techniques from leading international experts in the field." (www.eurekalert.org).

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