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**KEY=PDF - DASHAWN SKYLAR**

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**THE RUNNING AND MAINTENANCE OF MARINE MACHINERY**

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**INTRODUCTION TO OIL AND GAS OPERATIONAL SAFETY**

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**FOR THE NEBOSH INTERNATIONAL TECHNICAL CERTIFICATE IN OIL AND GAS OPERATIONAL SAFETY**

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*Routledge Aligned directly to the NEBOSH syllabus, this book covers the breadth and depth of oil and gas operational safety. This book guides the reader through the principles of how to manage operational risks, carefully conveying a technical subject in a clear, concise manner that readers will find comfortable to read and understand. Written in full colour by a highly experienced team who have many years' experience within the field, this book is undoubtedly an essential tool to enhance your understanding of operational safety within the oil and gas industry.*

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**CODE OF SAFE WORKING PRACTICES FOR MERCHANT SEAFARER'S**

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*Code of Safe Working Practices Amendment to 2015 consolidated ed. (ISBN 9780115534027). Amendment consists of loose-leaf pages that replace select pages from the main edition binder*

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**REVIEW OF MARITIME TRANSPORT 2020**

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*This series contains the decisions of the Court in both the English and French texts.*

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**MACHINERY AND ROTATING EQUIPMENT INTEGRITY**

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**INSPECTION GUIDANCE NOTES**

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*These notes provide guidance for inspectors offshore. The document gives detailed guidance to enable informed and rational judgements to be made, during inspection visits to an offshore installation, on the state and general health of safety critical*

areas of machinery and rotating equipment.

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## **WORKSHOP PROCESSES, PRACTICES AND MATERIALS**

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*Routledge Workshop Processes, Practices and Materials* is an ideal introduction to workshop processes, practices and materials for entry-level engineers and workshop technicians. With detailed illustrations throughout and simple, clear language, this is a practical introduction to what can be a very complex subject. It has been significantly updated and revised to include new material on adhesives, protective coatings, plastics and current Health and Safety legislation. It covers all the standard topics, including safe practices, measuring equipment, hand and machine tools, materials and joining methods, making it an indispensable handbook for use both in class and the workshop. Its broad coverage makes it a useful reference book for many different courses worldwide.

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## **POPULAR SCIENCE**

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Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

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## **MARINE AUXILIARY MACHINERY**

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*Elsevier Marine Auxiliary Machinery, Seventh Edition* is a 16-chapter text that covers the significant advances in marine auxiliary machinery relevant to the certification of competency examinations. The introductory chapters deal with the basic components of marine machineries, such as propulsion system, heat exchanger, valves, and pipelines. The succeeding chapters describe the pumps and pumping system, specifically the tanker and gas carrier cargo pumps. Considerable chapters are devoted to the operation of machinery's major components, including the propeller shaft, steering gear, auxiliary power, bow thrusters, and stabilizers. Other chapters consider the refrigeration, heating, ventilation, and air conditioning systems. The final chapters tackle the safety system of marine auxiliary machinery, particularly the fire protection, safety, instrumentation, and control systems. This book will prove useful to marine and mechanical engineers.

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## **MAINTAINING PORTABLE ELECTRICAL EQUIPMENT**

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## **PRACTICAL TPM**

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## **SUCCESSFUL EQUIPMENT MANAGEMENT AT AGILENT TECHNOLOGIES**

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*CRC Press Agilent Technologies*, formerly Hewlett-Packard's Test and Measurement Division, operates an integrated circuit fabrication plant in Fort Collins, Colorado. Guided by Masaji Taijiri, the author of *7 Steps to Autonomous Maintenance* (see page 34), author Jim Leflar and his team at Agilent developed a complete TPM program for the complex equipment on their shop floor. Drawn from these experiences, *Practical TPM* is a must read for anyone who wants to begin successful TPM implementation.

Part I explains the fundamental concepts of TPM, including the six basic principles of TPM, the goals of TPM, cultural changes resulting from TPM, and the keys to successful implementation. Part II — the heart of the book — describes, in step-by-step detail, the evolution of Agilent's TPM program. Each phase is clearly defined and demonstrated; the working tools and systems developed by the Agilent TPM team in the process are discussed at length. To conclude, Part III focuses on developing a vision and a strategy for your own successful TPM program. Replete with annotated photographs and illustrations documenting Agilent's successful program, *Practical TPM: Successful Equipment Management at Agilent Technologies* offers an invaluable roadmap to TPM implementation. The book covers: A step-by-step TPM program as implemented at a major US corporation The 5-why analysis method Examples of one-point lessons Using visual controls in a TPM program Tools for understanding equipment failures Improving machine productivity Improvement metrics Master checklists and forms Developing activity boards Appendices containing examples of maintenance training materials For a PDF file with the preface and table of contents [click here](#). For a PDF file with the first chapter [click here](#).

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## **BACKPACKER**

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*Backpacker* brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, *Backpacker* is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. *Backpacker's* Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured.

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## **THE MARITIME ENGINEERING REFERENCE BOOK**

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### **A GUIDE TO SHIP DESIGN, CONSTRUCTION AND OPERATION**

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*Elsevier* The Maritime Engineering Reference Book is a one-stop source for engineers involved in marine engineering and naval architecture. In this essential reference, Anthony F. Molland has brought together the work of a number of the world's leading writers in the field to create an inclusive volume for a wide audience of marine engineers, naval architects and those involved in marine operations, insurance and other related fields. Coverage ranges from the basics to more advanced topics in ship design, construction and operation. All the key areas are covered, including ship flotation and stability, ship structures, propulsion, seakeeping and maneuvering. The marine environment and maritime safety are explored as well as new technologies, such as computer aided ship design and remotely operated vehicles (ROVs). Facts, figures and data from world-leading experts makes this an invaluable ready-reference for those involved in the field of maritime engineering. Professor A.F. Molland, BSc, MSc, PhD, CEng, FRINA, is Emeritus Professor of Ship Design at the University of Southampton, UK. He has lectured ship design and operation for many years. He has carried out extensive research and published widely on ship design and various aspects of ship hydrodynamics. \* A comprehensive overview from best-

selling authors including Bryan Barrass, Rawson and Tupper, and David Eyres \*  
 Covers basic and advanced material on marine engineering and Naval Architecture  
 topics \* Have key facts, figures and data to hand in one complete reference book

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## **STRENGTHENING FORENSIC SCIENCE IN THE UNITED STATES**

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### **A PATH FORWARD**

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*National Academies Press* Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. *Strengthening Forensic Science in the United States: A Path Forward* provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. *Strengthening Forensic Science in the United States* gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.

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## **OCCUPATIONAL OUTLOOK HANDBOOK**

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### **CHEMICAL ENGINEERING DESIGN**

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### **PRINCIPLES, PRACTICE AND ECONOMICS OF PLANT AND PROCESS DESIGN**

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*Elsevier Chemical Engineering Design, Second Edition*, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students

(senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process, biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

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## **WÄRTSILÄ ENCYCLOPEDIA OF SHIP TECHNOLOGY**

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## **COMMERCE BUSINESS DAILY**

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## **OIL AND GAS PRODUCTION HANDBOOK: AN INTRODUCTION TO OIL AND GAS PRODUCTION**

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*Lulu.com*

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## **DEPARTMENT OF DEFENSE DICTIONARY OF MILITARY AND ASSOCIATED TERMS**

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## **RENEWABLE POWER GENERATION COSTS IN 2019**

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*International Renewable Energy Agency (IRENA)* IRENA's latest global cost study shows solar and wind power reaching new price lows. The report highlights cost trends for all major renewable electricity sources.

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## **THE MARINE ENGINEER**

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## **CARBON DIOXIDE CAPTURE AND STORAGE**

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## **SPECIAL REPORT OF THE INTERGOVERNMENTAL PANEL ON CLIMATE**

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## **CHANGE**

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*Cambridge University Press IPCC Report on sources, capture, transport, and storage of CO<sub>2</sub>, for researchers, policy-makers and engineers.*

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## **THE MACHINE GUNNERS**

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*Nelson Thornes It's 1940, and Britain is at war. Young Chas McGill has the second-best collection of war souvenirs in town, but desperately wants it to be the best. Amidst the bombs and air raids, Chas and his friends plan their own war effort in their newly built bunker. Friendships are forged and loyalties tested, in the adventure of a lifetime. Robert Westall's "The Machine Gunners" has been read, studied - and loved - by successive generations of younger readers. It won the Carnegie Medal and was voted one of the most important children's novels of the past seventy years. This thrilling stage adaptation comes from the award-winning playwright Ali Taylor, and premiered at the Polka Theatre, London. It provides rich opportunities for discussion in the classroom, and for staging by schools, youth theatres and amateur companies.*

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## **SHIP MAINTENANCE**

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## **A QUANTITATIVE APPROACH**

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## **MARITIME ECONOMICS**

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*Routledge Now in its second edition Maritime Economics provides a valuable introduction to the organisation and workings of the global shipping industry. The author outlines the economic theory as well as many of the operational practicalities involved. Extensively revised for the new edition, the book has many clear illustrations and tables. Topics covered include: \* an overview of international trade \* Maritime Law \* economic organisation and principles \* financing ships and shipping companies \* market research and forecasting.*

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## **2000 HSC CODE**

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## **INTERNATIONAL CODE OF SAFETY FOR HIGH-SPEED CRAFT, 2000**

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*The International Code of Safety for High-Speed Craft, 2000 (2000 HSC Code) applies to craft for which the keels are laid, or which are at a similar stage of construction, on or after 1 July 2002. The application of the both HSC Codes is mandatory under chapter X of the SOLAS Convention. This edition incorporates amendments that were adopted in 2004 and 2006.--Publisher's description.*

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## **OPERATION AND MAINTENANCE OF MACHINERY IN MOTORSHIPS**

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## **SHIP DESIGN AND CONSTRUCTION**

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*1st Impression Publishing*

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## **MODERN MARINE ENGINEER'S MANUAL**

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*Cornell Maritime Pr/Tidewater Pub* Volume II of the manual that has been absolutely indispensable to the ship's engineer for over forty years was completely updated by a team of practicing marine engineers in 1991. Chapters on obsolete equipment were deleted; those on systems that are still current were updated; and new chapters were written to cover the innovations in materials, machines, and operating practices that evolved recently.

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## **MODERN MARINE ENGINEER'S MANUAL**

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*Cornell Maritime Press/Tidewater Publishers* This manual, first published in 1943, has been indispensable to ships engineers for generations. The third edition, revised and updated by a team of marine engineers/professors, follows in the venerable style of its predecessors. Text relating to obsolete equipment has been eliminated, information on systems that are still current has been updated, and new material has been added to reflect innovations in equipment and operative practices. Extensive coverage on the newest medium-speed diesel engine has been added to the text. Environmental concerns have been recognized with a section on engine exhaust emissions and information about new refrigerants and the maintenance of refrigeration systems. New equipment for trash handling, sewage processing, bilge water discharge, and incineration are discussed with reference to international regulations. Ship trial procedures and the new equipment used in trial data collection are presented in detail.

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## **INTERVIEW QUESTIONS AND ANSWERS**

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*How2Become Ltd*

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## **CODE ON ALERTS AND INDICATORS, 2009**

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*IMO Publishing* The Code on Alerts and Indicators 2009, is intended to provide general design guidance and to promote uniformity of type, location and priority for alerts and indicators required by the SOLAS Convention, including relevant performance standards, and by the MARPOL Convention, as well as by other associated instruments and codes. The Code will benefit designers and operators by consolidating in one document the references to priorities, aggregation, grouping, locations and types, including colours and symbols, of shipboard alerts and indicators. This new Code updates, revises and replaces the Code on Alarms and Indicators 1995.

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## **TRANSACTIONS**

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## **NAVIGATION RULES**

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## **INTERNATIONAL - INLAND**

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*Paradise Cay Publications* Includes Errata Sheet of Notice to Mariners (NTM) 22/13. This book contains a complete copy of the Inland and International Navigation Rules as presented by the United States Coast Guard. The Coast Guard requires that an

up-to-date copy such as this one be carried on all vessels 12 meters (39 feet) or more in length at all times. In addition to a complete copy of the USCG edition (COMDTINST M16672.2D), Paradise Cay Publications has added the following features to make our book more useful and comprehensive. 1) We have created an Annotated Contents. This added feature will help guide the reader to a desired rule. The topic of each subsection of the rules has been noted for quick reference along with the page numbers for Inland and International Rules. 2) We have updated this edition for corrections presented in Notice to Mariners up through November 15, 2004. 3) We have included detailed instructions on how to log on to the NGA (National Geospatial-Intelligence Agency, formerly NIMA) website and update this Rules Publication.

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## **PLANNING GUIDE FOR MAINTAINING SCHOOL FACILITIES**

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*DIANE Publishing*

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## **THE COMPLETE CHIEF OFFICER**

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## **SOUND & VIBRATION**

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## **POUNDER'S MARINE DIESEL ENGINES AND GAS TURBINES**

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*Butterworth-Heinemann* Pounder's Marine Diesel Engines and Gas Turbines, Tenth Edition, gives engineering cadets, marine engineers, ship operators and managers insights into currently available engines and auxiliary equipment and trends for the future. This new edition introduces new engine models that will be most commonly installed in ships over the next decade, as well as the latest legislation and pollutant emissions procedures. Since publication of the last edition in 2009, a number of emission control areas (ECAs) have been established by the International Maritime Organization (IMO) in which exhaust emissions are subject to even more stringent controls. In addition, there are now rules that affect new ships and their emission of CO<sub>2</sub> measured as a product of cargo carried. Provides the latest emission control technologies, such as SCR and water scrubbers Contains complete updates of legislation and pollutant emission procedures Includes the latest emission control technologies and expands upon remote monitoring and control of engines

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## **MARINE ELECTRICAL TECHNOLOGY, 4/E H/C**

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The Book has been thoroughly revised, keeping in mind the rapid technological advances in this mammoth industry and also the feedback received from various quarters. Relevant extracts from current SOLAS, IACS, Lloyd's Register, DNV and ABS Rules, have been included with permission. However, these must be used only for academic purposes. Relevant current documents onboard ships must be referred to, for the purpose of complying with Classification Societies' and other Statutory Requirements.

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## **CONDITION MONITORING OF ROTATING ELECTRICAL MACHINES**

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*Institution of Engineering and Technology* Condition monitoring of engineering plants

has increased in importance as engineering processes have become increasingly automated. However, electrical machinery usually receives attention only at infrequent intervals when the plant or the electricity generator is shut down. The economics of industry have been changing, placing ever more emphasis on the importance of reliable operation of the plants. Electronics and software in instrumentation, computers, and digital signal processors have improved our ability to analyse machinery online. Condition monitoring is now being applied to a range of systems from fault-tolerant drives of a few hundred watts to machinery of a few hundred MW in major plants.