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Global Environmental Biotechnology D.L. Wise 1997-07-23 Environmental biotechnology is an emerging field of scientific and technological investigations that is truly global. Popular recognition is high for the environmental problems being faced and solved by biotechnology methods. This book presents selected papers from the 3rd International Symposium of the International Society for Environmental Biotechnology, held in Boston in July 1996. The following topics are covered: metals, mine drainage, removal and toxicity; waste treatment/monitoring; bioremediation; water quality; biodegradation; and local, national and international issues in biotechnology.
The Strategic Management of E-Learning Support Franziska Zellweger Moser
Alumni Directory, Northeastern University, College of Engineering, 1902-83 Northeastern University (Boston, Mass.) 1984
Grants and Awards for the Fiscal Year Ended ... National Science Foundation (U.S.) 1982
Promoting Manual Dexterity Recovery After Stroke Martin Lotze 2019-11-20
Characteristics of Excellence in Engineering Technology Education American Society for Engineering Education 1962
Peterson's Graduate Programs in Engineering & Applied Sciences 2012 Peterson's 2012-03-09 Peterson's Graduate Programs in Engineering & Applied Sciences 2012 contains a wealth of information on accredited institutions offering graduate degree programs in these fields. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, requirements, expenses, financial support, faculty research, and unit head and application contact information. There are helpful links to in-depth descriptions about a specific graduate program or department, faculty members and their research, and more. There are also valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.
Directory of Transportation Education United States. Dept. of Transportation 1976
Biennial Survey of Education in the United States United States. Office of Education 1924
Environmental Protection Careers Guidebook 1980
College of Engineering, Northeastern University: Master of Science in Information Systems (MSIS). The College of Engineering of Northeastern University in Boston, Massachusetts, describes the Master of Science in Information Systems (MSIS) Career Transition Program that it offers. The college describes the academic program, outlines admissions requirements, and describes financial aid available.
Quality Issues in ICT-based Higher Education Rakesh Bhanot 2004-11-10 Higher education institutions are becoming increasingly reliant on ICT for providing enhanced teaching and learning, and lecturers are adopting new methods of working and ways of teaching with technology all the time. However, without structure and commitment, these changes may not be bringing out the best that ICT has to offer. Providing a wide-ranging account of the quality issues surrounding the use of ICT in higher education, this book develops useful advice and guidance on key areas including: * devising an institution-wide strategy * developing course materials * providing distance and e-learning courses * using ICT-assisted assessment * adopting professional support processes. With authoritative and practical contributions from leading experts in the field, this book will be a valuable addition to the shelves of all those involved in using ICT in higher education - managers, lecturers or education developers.
US Black Engineer & IT 1987
Catalogue of the School of Engineering Northeastern University (Boston, Mass.). School of Engineering 1933
Heterogeneous Computing with OpenCL Benedict Gaster 2012-12-31 Heterogeneous Computing with OpenCL, Second Edition teaches OpenCL and parallel programming for complex systems that may include a variety of device architectures: multi-core CPUs, GPUs, and fully-integrated Accelerated Processing Units (APUs) such as AMD Fusion technology. It is the first textbook that presents OpenCL programming appropriate for the classroom and is intended to support a parallel programming course. Students will come away from this text with hands-on experience and significant knowledge of the syntax and use of OpenCL to address a range of fundamental parallel algorithms. Designed to work on multiple platforms and with wide industry support, OpenCL will help you more effectively program for a heterogeneous future. Written by leaders in the parallel computing and OpenCL communities, Heterogeneous Computing with OpenCL explores memory spaces, optimization techniques, graphics interoperability, extensions, and debugging and profiling. It includes detailed examples throughout, plus additional online exercises and other supporting materials that can be downloaded at http://www.heterogeneouscompute.org/?page_id=7 This book will appeal to software engineers, programmers, hardware engineers, and students/advanced students. Explains principles and strategies to learn parallel programming with OpenCL, from understanding the four abstraction models to thoroughly testing and debugging complete applications. Covers image processing, web plugins, particle simulations, video editing, performance optimization, and more. Shows how OpenCL maps to an example target architecture and explains some of the tradeoffs associated with mapping to various architectures Addresses a range of fundamental programming techniques, with multiple examples and case studies that demonstrate OpenCL extensions for a variety of hardware platforms
Methods in Product Design Ali K. Kamrani 2016-04-19 As industries adopt consumer-focused product development strategies, they should offer broader product ranges in shorter design times and the processes that can manufacture in arbitrary lot sizes. In addition, they would need to apply state-of-the-art methods and tools to easily conduct early product design and development trade-off analysis among competing objectives. Methods in Product Design: New Strategies in Reengineering supplies insights into the methods and techniques that enable implementing a consumer-focused product design philosophy by integrating design and development capabilities with intelligent computer-based systems. The book defines customer focused design and discusses ways to assess changing demands and sources, and delves into what is needed to successfully manufacture goods in a demanding market. It reviews proven methods for assessing customer need. Then, after showing how changing needs impact the reengineering of products, it explains how change can be efficiently achieved. It details how IT advances and technology support customer-focused product development, discusses cutting-edge mass customization principles that maximize cost-effective production, and illustrates how to implement effective predictive maintenance policies. Methods in Product Design: New Strategies in Reengineering provides methods, state-of-the-art technologies, and new strategies for customer-focused product design and development that allow organizations to quickly respond to the demanding global marketplace.
Catalogs of College of Liberal Arts, College of Business Administration, College of Engineering, College of Education, School of Business, Evening Courses of the College of Liberal Arts and Lincoln Institute, 1954-1955 Graduate Programs: College of Engineering, School of Business, College of Education 1. Academic Calendar for the College Year 1954 - 1955 The Board of Trustees Faculty and Staff. Northeastern University General Statement Buildings and Facilities Student Activities. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
Scientific Foundations of Engineering Stephen McKnight 2015-08-10 An advanced overview of the fundamental physical principles underlying all engineering disciplines, with end-of-chapter problems and practical real-world applications.
Northeastern University, 1944-1946 Northeastern University 2016-12-28 Excerpt from Northeastern University, 1944-1946: Colleges of Liberal Arts, Business Administration, Engineering; (Co-Educational); Boston 15, Massachusetts; July, 1944 The Corporation of Northeastern University consists of men who occupy responsible positions in business and the professions. This Corporation elects from its membership a Board of Trustees in whom the control of the institution is vested. The Board of Trustees has four standing committees: (a) an Executive Commit; tee which serves as an Ad Interim Committee between the regular meetings of the Board of Trustees and has general supervision of the financial and educational policies of the University; (b) a Committee on Housing which has general supervision over the buildings and equipment Of the University; (c) a Committee on Funds and Investments which has the responsibility of administer' ing the funds of the University; (d) a Development Committee which is concerned with furthering the development plans of the University. Founded in 1898, Northeastern University, from the outset, had as its dominant purpose the discovery of human and social needs and the meeting of these needs in distinctive and highly service able ways. While subscribing to the most progressive educational thought and practice, the University has not duplicated the pro grams of other institutions but has sought to bring education more directly into the service of human needs. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
US Black Engineer & IT 1986
Bulletin - Bureau of Education United States. Bureau of Education 1924
Early drafting class Northeastern University, College of Engineering, Department of Mechanical Engineering Northeastern University (Boston, Mass.). College of Engineering 1925 Two unidentified students in an early drafting class in the Department of Mechanical Engineering.
Sustainable Production and Logistics Eren Ozceylan 2021-04-26 Sustainable Production and Logistics: Modeling and Analysis Subject Guide: Engineering - Industrial & Manufacturing This book presents issues faced by planners of production and distribution operations in terms of smart manufacturing and sustainability, using efficient quantitative techniques in a variety of decision-making situations. Addressing the state-of-the-art of the smart and sustainable sides of production and distribution planning operations, it highlights how a current issue can be effectively approached and what particular quantitative technique can be used. The book goes on to provide a foundation in the new and fast-growing digital journey, and includes logistics 4.0 inside Industry 4.0, along with case studies. The information in this book is useful worldwide, especially in the Americas, Europe, Turkey, and Japan. It is written for academicians, researchers, practitioners, and students.
Career Development of Scientists William W. Cooley 1963
Northeastern University Day Division Northeastern University 2016-08-13 Excerpt from Northeastern University Day Division: College of Liberal Arts, Business Administration, Engineering; 1938 1939 Saturday. Review courses end for Division B upperclassmen and for freshmen. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
Handbook of Nanophysics Klaus D. Sattler 2010-09-17 The tools of nanodiagnostics, nanotherapy, and nanorobotics are expected to revolutionize the future of medicine, leading to presymptomatic diagnosis of disease, highly effective targeted treatment therapy, and minimum side effects. Handbook of Nanophysics: Nanomedicine and Nanorobotics presents an up-to-date overview of the application of nanotechnology to molecular and biological processes, medical imaging, targeted drug delivery, and cancer treatment. Each peer-reviewed chapter contains a broad-based introduction and enhances understanding of the state-of-the-art scientific content through fundamental equations and illustrations, some in color. This volume shows how the materials, tools, and techniques of nanotechnology, such as enzymatic nanolithography, biomimetic approaches, and force spectroscopy, are currently used in biological applications, including living cell biochips, biosensors, protein recognition, and the analysis of biomolecules. Drawing on emerging toxicology research, it examines the impact and risks of nanomaterials on human health and the environment. Researchers at the forefront of the field cover tissue engineering, diagnostic, drug delivery, and therapeutic applications, including organs derived from nanomaterials, quantum dots and magnetic nanoparticles for imaging, pharmaceutical nanocarriers, targeted magnetic particles and biodegradable nanoparticles for drug delivery, and cancer treatment using gold nanoparticles. They also explain how cells and skin respond to these nanomaterials. In addition, the book investigates the next generation of nanotechnology research that is focused on nanorobotics and its potential in detecting and destroying cancer cells and detecting and measuring toxic chemicals. It considers the roles nanoheaters, nanomotors, and nanobatteries can play in this new technology. Nanophysics brings together multiple disciplines to determine the structural, electronic, optical, and thermal behavior of nanomaterials; electrical and thermal conductivity; the forces between nanoscale objects; and the transition between classical and quantum behavior. Facilitating communication across many disciplines, this landmark publication encourages scientists with disparate interests to collaborate on interdisciplinary projects and incorporate the theory and methodology of other areas into their work.
Notre Dame Bridge Replacement, Manchester 1981
Statistics of Land-grant Colleges and Universities United States. Office of Education 1932
Education Directory 1932
Northeastern University, 1975-77 Northeastern University 2017-12-15 Excerpt from Northeastern University, 1975-77: Lincoln College Campus Map Calendar 1975 1976 Northeastern University Corporation The Board of Trustees Administrative Organization General University Committees The University Buildings and Facilities Lincoln College Administration The Role and Scope of Lincoln College Programs of Instruction Admissions Information Registration Academic Information Financial Information' Student Activities and Alumni Information Academic Programs of Instruction Aviation Technology Civil Engineering Technology Electrical Engineering Technology Mechanical Engineering Technology Interdisciplinary Engineering and Science Programs Bioelectronic Engineering Technology Computer Engineering Technology Control Systems Engineering Technology chemical-physical Technology mathematical-physical Technology Fire Technology Environmental Control Technology mechanical-structure Technology Description of Courses Index to Courses The Lincoln College Faculty Application Form for Further Information Suburban Maps Index. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
Lincoln College, Northeastern University, 1984-86 Northeastern University 2017-12-16 Excerpt from Lincoln College, Northeastern University, 1984-86: Day and Evening Programs in Engineering Technology, Science Technology D I would like to apply for advance standing credit and shall arrange to submit transcripts of my records at all schools at tended since high school. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.
Bulletin United States. Office of Education 1923
Northeastern University: College of Engineering: Master of Science in Information Systems (MSIS). The College of Engineering at Northeastern University in Boston, Massachusetts, describes the Master of Science in Information Systems (MSIS) Program that it offers. The college describes program and admissions requirements, distance learning opportunities, and courses.
Cognitive Informatics in Health and Biomedicine Vimla L. Patel 2017-05-31 As health care is moving toward a team effort with patients as partners, this book provides guidance on the optimized use of health information and supporting technologies, and how people think and make decisions that affect their health and wellbeing. It focuses on investigations of how general public understand health information, assess risky behaviors, make healthcare decisions, and how they use health information technologies. e-health technologies have opened up new horizons for promoting increased self-reliance in patients. Although information technologies are now in widespread use, there is often a disparity between the scientific and technological knowledge underlying health care practices and the cultural beliefs, mental models, and cognitive representations of illness and disease. Misconceptions based on inaccurate perceptions and mental models, and flawed prior beliefs could lead to miscommunication as well as to erroneous decisions about individuals' own health or the health of their family members. Cognitive Informatics in Health and Biomedicine: Understanding and Modeling Health Behaviors presents state of the art research in cognitive informatics for assessing the impact of patient behaviour. It is designed to assist all involved at the intersection of the health care institution and the patient and covers contributions from recognized researchers and leaders in the field.
A Numerical Solution for the Interaction of a Moving Shock Wave with a Turbulent Mixing Region William Fred Walker 1966
Lovejoy's College Guide 1993
Research in Higher Education Annie Reynolds 1931
Engineering College Research Review 1961
Public Education in Oklahoma Alice Barrows 1923