

1. Record Nr.	UNINA9910455269803321
Titolo	Neuromodulation [[electronic resource] /] / edited by Elliot S. Krames, P. Hunter Peckham, Ali R. Rezai
Pubbl/distr/stampa	London ; ; Burlington, MA, : Academic Press, 2009
ISBN	1-282-16862-2 9786612168628 0-08-092139-6
Descrizione fisica	1 online resource (xxiii, 1063 pages) : illustrations
Altri autori (Persone)	KramesElliot PeckhamP. Hunter RezaiAli R
Disciplina	616.806
Soggetti	Central nervous system - Physiology Neural transmission - Regulation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	v. 1. Section I. An introduction to neuromodulation -- Section II. Fundamentals of neuromodulation -- Section IIA. Fundamentals of neuromodulation: mechanisms -- Section III. Biomedical engineering considerations -- Section IV. Neuromodulation for chronic pain -- Section IVA. Periphery and spinal cord electrical stimulation for non-visceral pain -- Section IVB. Infusional therapies for pain -- Section IVC. Brain stimulation for pain. v. 2. Section V. Neuromodulation for movement disorders -- Section VI. Neurostimulation for epilepsy -- Section VII. Neuromodulation for psychiatric disorders -- Section VIII. Neuromodulation for functional restoration -- Section IX. Neuromodulation of body organs -- Section IXA. Neuromodulation for cardiovascular disorders -- Section IXB. Neuromodulation for gastrointestinal disorders -- Section IXC. Neuromodulation for urogenital disorders -- Section X. Neuromodulation for emerging applications -- Section XI. Neuromodulation device implant techniques.
Sommario/riassunto	Neuromodulation will be the first comprehensive and in-depth

reference textbook covering all aspects of the rapidly growing field of neuromodulation. This book provides a complete discussion of the fundamental principles of neuromodulation and therapies applied to the brain, spinal cord, peripheral nerves, autonomic nerves and various organs. The textbook is highly structured and organized into overarching sections that cover chronic pain, movement disorders, psychiatric disorders, epilepsy, functional electrical stimulation, cardiac, gastrointestinal, genitourinary and organ neuromodulation. The fundamental principles of electricity and infusion, neural tissue interface, biomedical engineering, neuromodulation devices, basic science, neuroanatomy, neurophysiology, imaging and mechanisms are emphasized. In addition to providing details pertaining to the state-of-the-art current practice, innovative and emerging applications are discussed in specific chapters. Finally, the textbook provides specific chapters focusing on the technical aspects of the various neuromodulation procedures as well as technical specifications of various implantable devices. All of the contributors to Neuromodulation represent leading experts in the field. The editors are internationally renowned in their respective fields of neuromodulation, pain management, functional neurosurgery and biomedical engineering. Neuromodulation will be the first and foremost authoritative text on neuromodulation therapies and will establish the gold standard that defines the field for years to come.

Key Features

The first comprehensive reference on the emerging field of Neuromodulation

Editors and authors include all leading figures in the field, and the leaders of the International Neuromodulation Society

Over 90 chapters on topics ranging from a layout of the fundamentals (e.g. neuroanatomy, plasticity, bioelectrical effects, infusion therapies), solutions for the biomedical engineering challenges (e.g. materials, how to preserve normal function etc.), to a rundown of the existing applications and their future promise

Over 1200 pages in splendid full color, richly illustrated

Important areas of application include: control of chronic pain delivery of drugs to the nervous system via implanted devices control of epilepsy, Parkinson, etc. functional restoration, e.g. visual, auditory, restoration after stroke, restoration of motor function after traumatic events stimulation of body organs via neural devices (incl. the heart, abdominal organs, genitourinary organs) overview over newly emerging fields - control of obesity, blood pressure, tinnitus, brain injury, neurodegenerative diseases, brain-machine interfaces.

2. Record Nr.	UNINA9910964838003321
Titolo	Financial Globalization : : The Impact on Trade, Policy, Labor, and Capital Flows
Pubbl/distr/stampa	Washington, D.C. : , : International Monetary Fund, , 2007
ISBN	9786613850201 9781455248902 1455248908 9781452760445 1452760446 9781283537759 1283537753 9781451936445 1451936443
Edizione	[1st ed.]
Descrizione fisica	1 online resource (97 p.)
Disciplina	332/.042
Soggetti	International finance Economic assistance - Developing countries Globalization Aggregate Factor Income Distribution Balance of payments Capital account liberalization Capital flows Capital movements Current Account Adjustment Emerging and frontier financial markets Exports and Imports Finance Finance: General Financial markets Financial services industry General Financial Markets: General (includes Measurement and Data) Government Policy Income distribution Income inequality International economics International Investment Long-term Capital Movements

Macroeconomics
National accounts
Poverty
Provision and Effects of Welfare Program
Short-term Capital Movements
Social Services and Welfare
Social welfare & social services
United States

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"April 2007."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>Cover; Preface; Contents; Beyond the Blame Game; A new way of looking at financial globalization reexamines its costs and benefits; Liberalizing Capital Account Restrictions; Global Capital Flows: Defying Gravity; The Paradox of Capital; Is foreign capital associated with economic growth and, if not, why does it flow "uphill"?; Globalization: The Story Behind the Numbers; Surmounting the Challenges of Globalization; Is Liberalization Reversible?; Globalization is unsettling for many despite its many benefits; Examining Global Imbalances What new data tell us about the external wealth of nations Converting a Tiger; Lessons from India's gradualist approach to capital account convertibility; Economic Policy Implications of Global Financial Flows; The lack of a lender of last resort creates a vacuum in the international institutional structure; The Changing Face of Investors; The implications for financial stability of the sharp rise in international capital flows; Dealing with Global Fluidity; With new forces shaping global capital markets, participants in international finance are well advised to rethink their operating models</p> <p>The Globalization of Finance Despite considerable benefits to national economies, financial globalization has changed the structure of their markets; Are Foreign Investors in Emerging Market Economies a Panic-Prone Herd?; What are the consequences of herdlike behavior?; Small Fish, Big Pond; What is the future for developing country capital markets in a globalized economy?; Wising Up about Finance; With tighter links between national economies and global financial markets, better financial analysis is critical to macroeconomic management; The New World of Banking</p> <p>Four trends altering the financial world pose challenges for the effective supervision and regulation of the financial sector Taking the Plunge Without Getting Hurt; An IMF study suggests that opening up to the global economy could help developing countries cope with the adverse effects of volatility on growth; Lifting All Boats; A critical survey of recent studies on trade liberalization; Trade, Growth, and Poverty; How has increased participation in international trade affected developing countries economically?; Globalization at Work; Making the WTO More Supportive of Development</p> <p>How to help developing countries integrate into the global trading system Making Globalization Work for the Poor; Point-Counterpoint between Kevin Watkins and David Dollar and Aart Kraay; Demystifying Outsourcing; The numbers do not support the hype over job losses</p>

Sommario/riassunto

Assiduously tracking the trends and consequences of globalization, the IMF's quarterly magazine Finance & Development has been a major forum for discussing-and dissecting-the policy options and challenges faced by governments in an era when many national decisions transcend borders. This valuable compilation of articles published over the past eight years focuses on financial globalization, including the policy implications of the huge growth in cross-border capital flows. Articles also look at the expansion of world trade, explore the impact of globalization on jobs, taxation, and the poor, and examine the digital divide between developed and some developing countries. An extraordinary summary that distills nearly a decade of accelerated change.
