

The International Journal of **Medical Robotics** and **Computer** **Assisted Surgery**

The International Journal of Medical Robotics and Computer Assisted Surgery presents the latest developments in robotics and imaging technologies for medical applications. The journal covers the cooperative technologies of medical robotics and computer assisted surgery, including X-ray, MRI and CAT scan, that can be used to construct accurate 3D models of the patient's body and internal organs.

- Publishes both original research papers and state of the art reviews, from an international authorship
- Highly practical in nature. Papers are presented in a format that is accessible to a variety of readers.
- Provides emphasis to papers based on application and clinical experience.



ONLINE ACCESS to *The International Journal of Medical Robotics and Computer Assisted Surgery*

*The International Journal of
Medical Robotics and Computer
Assisted Surgery* is available online at

www.interscience.wiley.com/journal/rcs



www.interscience.wiley.com





The Definitive Resource for Relevant Research in Biomedical Engineering *Annual Review of Biomedical Engineering*[®]

The *Annual Review of Biomedical Engineering*, in publication since 1999, covers the significant developments in the broad field of Biomedical Engineering, including topics in Biomechanics, Biocomputing, Bioelectrical Engineering, Biochemical Engineering, and Biomedical Imaging.

The *Annual Review of Biomedical Engineering* is ranked **#1** by impact factor among the 41 Biomedical Engineering publications assessed by the ISI[®] Journal Citation Reports (JCR[®]).

Available in Print and Online

Annual Review of Biomedical Engineering

Volume 8, August 2006

Editor: **Martin L. Yarmush**, *Harvard Medical School*

Associate Editors: **Kenneth R. Diller**, *University of Texas, Austin*

Mehmet Toner, *Harvard Medical School*

Editorial and Planning Committee Members:

Thomas F. Budinger, *University of California, Berkeley*

Shu Chien, *University of California, San Diego*

Katherine Ferrara, *University of California, Davis*

Martha L. Gray, *Massachusetts Institute of Technology*

Michael R. Neuman, *Michigan Technology University*

Dennis E. Discher, *University of Pennsylvania*

Access Online NOW at <http://bioeng.annualreviews.org>

Order Today and Save 20%!

Individual Discounted Price (Worldwide): \$60

Regular Individual Price (Worldwide): \$75

ISSN: 1523-9829 | ISBN: 0-8243-3508-2 | Handling and applicable sales tax additional.

Mention priority source code **ieee06** when placing your order. Order via phone, fax, email or online.
Contact Annual Reviews for institutional pricing and site license options.



ANNUAL REVIEWS

A Nonprofit Scientific Publisher

Call toll free (US/Canada): 800.523.8635 Call worldwide: 650.493.4400

Fax: 650.424.0910 Email: service@annualreviews.org

Order online at www.annualreviews.org



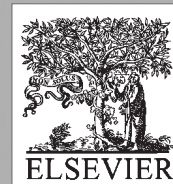
ISSN 1350-4533
Volume 28, 10 issues (2006)



Institute of Physics and
Engineering in Medicine

Official publication of the
Institute of Physics and
Engineering in Medicine
(IPEM)

Medical Engineering & Physics



Editor-in-Chief
S. Clift, Bath, UK

A forum for the publication of the latest developments in biomedical engineering, which reflects the essential multidisciplinary nature of the subject. Topics covered include: clinical engineering, biomedical computing, biological systems, instrumentation, medical imaging technology, biomaterials, biomechanics and rehabilitation.

Online submission of articles is available through Elsevier's



<http://ees.elsevier.com/mep>

For more information and to renew or subscribe online please visit the journal's homepage at:

<http://intl.elsevierhealth.com/journals/meep>

Journal of Biomechanics

Affiliated with the American Society of Biomechanics (ASB), the European Society of Biomechanics (ESB), the International Society of Biomechanics (ISB), the Japanese Society for Clinical Biomechanics and Related Research (JSCBRR), and the Australian and New Zealand Society of Biomechanics (ANZSB)



Editors-in-Chief
R. Huiskes, Eindhoven,
The Netherlands
F. Guilak, Durham,
NC, USA

The *Journal of Biomechanics* publishes reports of original and substantial findings

using the principles of mechanics to explore biological problems.

For more information and to renew or subscribe online please visit the journal's homepage at:
<http://intl.elsevierhealth.com/journals/jbio>

Clinical Biomechanics

A journal affiliated to the International Society of Biomechanics (ISB), the American Society of Biomechanics (ASB), the European Society of Biomechanics (ESB), the Japanese Society for Clinical Biomechanics and Related Research (JSCBRR), and the Taiwanese Society for Biomechanics (TSB)



Editor-in-Chief
K. Burton,
Huddersfield, UK

Clinical Biomechanics aims to strengthen the link between clinical and laboratory by publishing

biomechanics research which helps to explain the causes of musculoskeletal disorders and which provides knowledge contributing to improved clinical management.

For more information and to renew or subscribe online please visit the journal's homepage at:
<http://intl.elsevierhealth.com/journals/clbi>

Journal of Electromyography and Kinesiology

Official journal of the International Society of Electrophysiology and Kinesiology (ISEK)



Editor-in-Chief
M. Solomonow,
Aurora, CO, USA

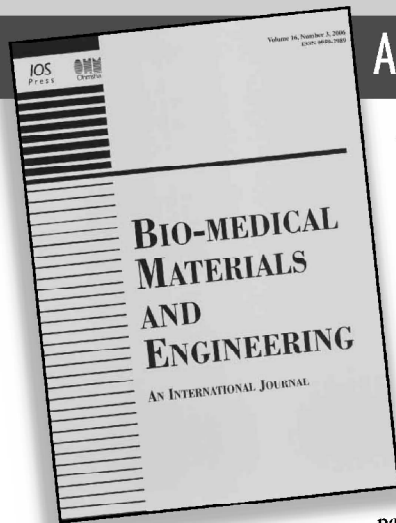
The primary source for outstanding original articles on the study of muscle contraction and human motion

through combined mechanical and electrical detection techniques.

For more information and to renew or subscribe online please visit the journal's homepage at:
<http://intl.elsevierhealth.com/journals/joek>

Bio-Medical Materials and Engineering

An International Journal



Aims and Scope

The aim of *Bio-medical Materials and Engineering* is to promote the welfare of humans and to help them keep healthy. This International Journal is an interdisciplinary journal that will publish original research papers, review articles and brief notes on materials and engineering for biological and medical systems. Articles in this peer-reviewed journal will cover a wide range of topics, including, but not limited to: Engineering as applied to improving diagnosis, therapy, and prevention of disease and injury, and better substitutes for damaged or disabled human organs, such as drug delivery, medical devices, systems and artificial organs; Studies of bio-material interactions with the human body, bio-compatibility, interfacial and interaction problems; Biomechanical behaviour under biological and/or medical conditions, such as, fracture toughness, fatigue, creep, stress corrosion cracking, corrosion fatigue, plasticity, visco-elasticity, rheology, tribology and wear, and behaviour under impact, mechanics and devices for promotion of physical strength; Mechanical and biological properties of membrane biomaterials; Cellular and tissue engineering, physiological, biophysical, biochemical bioengineering aspects; Implant failure fields and degradation of implants. Biomimetics engineering and materials including system analysis as supporter for aged people and as rehabilitation; Bioengineering and materials technology as applied to the decontamination against environmental problems; Biosensors, bioreactors, bioprocess instrumentation and control system; Application to food engineering; Standardization problems on biomaterials and related products; Assessment of reliability and safety of biomedical materials and man-machine systems; Product liability of biomaterials and related products.

Editor-in Chief:

Prof. Takco Yokobori
School of Science and Engineering
Teikyo University
Toyosatodai 1-1, Utsunomiya 320
Japan

Abstracted in

Applied Mechanics Reviews, BIOSIS
Previews, Biological Abstracts,
Cambridge Scientific Abstracts,
Ceramic Abstracts, Chemical
Abstracts, Corrosion Abstracts,
EMBASE, Engineered Materials
Abstracts, Index Medicus, Journal
Citation Reports/Science Edition,
MEDLINE, Materials Business File-
Steels Alert, Materials Science
Citation Index, Metals
Abstracts/METADEX, SCOPUS,
SciSearch



ISSN: 0959-2989
Volume 17; 6 issues
Regular subscription price for 2007:
€819 / US\$986

Visit our website at www.iospress.com
for additional information and to download a free sample copy.