

August 2008

New Science and Technology Journals

Earl Mounts

Follow this and additional works at: <https://jdc.jefferson.edu/scitechnews>

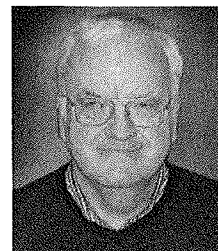
 Part of the [Physical Sciences and Mathematics Commons](#)

[Let us know how access to this document benefits you](#)

Recommended Citation

Mounts, Earl (2008) "New Science and Technology Journals," *Sci-Tech News*: Vol. 62: Iss. 3, Article 11.
Available at: <https://jdc.jefferson.edu/scitechnews/vol62/iss3/11>

This Article is brought to you for free and open access by the Jefferson Digital Commons. The Jefferson Digital Commons is a service of Thomas Jefferson University's [Center for Teaching and Learning \(CTL\)](#). The Commons is a showcase for Jefferson books and journals, peer-reviewed scholarly publications, unique historical collections from the University archives, and teaching tools. The Jefferson Digital Commons allows researchers and interested readers anywhere in the world to learn about and keep up to date with Jefferson scholarship. This article has been accepted for inclusion in Sci-Tech News by an authorized administrator of the Jefferson Digital Commons. For more information, please contact: JeffersonDigitalCommons@jefferson.edu.



ACM Transactions on Reconfigurable Technology and Systems (TRETs). 1936-7406. ACM. v.1, 2008. 4/year. <http://tretscse.sc.edu/index.html>

TRETs is a new journal focused on research in, on, and with reconfigurable systems and on the underlying technology (which is currently that of FPGAs but could include other approaches involving an adaptable fabric) that supports these systems for computing or other applications. *TRETs* will be a journal that covers reconfigurability in its own right. Topics appropriate for *TRETs* include all levels of reconfigurable system abstractions and all aspects of reconfigurable technology including platforms, programming environments and application successes, such as the systems architecture of a reconfigurable platform, the programming environment of a reconfigurable system, applications on which success can be demonstrated, and the underlying technology from which reconfigurable systems are developed.

Annual Review of Analytical Chemistry. 1936-1327. Annual Reviews. v.1, 2008. \$197.00. <http://www.annualreviews.org/>

This publication addresses measurement science in general with a focus on concepts, materials, chemicals, and/or processes. Topics reviewed include atmospheric analysis, atomic force microscopy, CARS imaging, electrochemistry on the nanoscale, nanoparticle sensors, on-chip multiplexing analysis, planetary and interstellar chemistry, nuclear magnetic resonance, mass spectrometry, microfluidics, biosensors, and chromatography.

Applied Physics Express (APEX). 1882-0778. Japan Society of Applied Physics. v.1, 2008. Weekly online, monthly in paper. \$2,040.00 (includes Japanese Journal of Applied Physics) <http://apex.ipap.jp/>

Formerly Japanese Journal of Applied Physics, Part 2, *Applied Physics Express (APEX)* is a letter journal devoted solely to rapid dissemination

of up-to-date and concise reports on new findings in applied physics. The motto of APEX is high scientific quality and prompt publication. Papers for APEX will be published online within two weeks, in the fastest case, from receipt to online publication. The journal publishes articles dealing with the applications of physical principles and emphasis will be given to developing and emerging fields in applied physics. Topics covered include semiconductor, superconductor, spintronic, dielectric, and organic materials; photonics, quantum electronics, and plasmonics; device physics; nanoscale science and technology; thin films, surfaces, interfaces, and crystal growth; plasmas, atomic, molecular, and chemical physics, and applied nuclear physics; instrumentation, measurement, and fabrication technologies; and interdisciplinary areas such as bioelectronics/photonics and environmental/energy technologies.

Fungi. 1941-4943. v.1, 2008. 5/year. \$35.00. <http://www.fungimag.com/editorial.htm>

Each issue of *Fungi* explores the world of mycology from many different angles. With regular features ranging from toxicology to medicinal mushrooms, from photography to book reviews, *Fungi* informs everyone from beginner to professional mycologist. Additionally, every issue features peer-reviewed technical papers ranging from original research findings to reviews of taxonomic groups to new records of North American species. The user-friendly website posts supplemental information for published articles, plus extras. Recent articles include "The wild epicure: mushroom love, morels: seasonality, meditation, celebration", "Medicinal mushrooms: irofulven—Halloween trick or a beacon of light?", and "Fungi and sustainability".

High Performing Buildings (HPB). 1940-3003. ASHRAE. v.1, 2007. 4/year. Free. <http://www.hpbmagazine.org/>

This quarterly magazine is published by the Society of Heating, Refrigerating and Air-

Conditioning Engineers (ASHRAE) and distributed to building owners, facility managers, architects, contractors and engineers. The magazine's goal is to help decision makers in the building community learn about the benefits of innovative technologies and energy-efficient design and operation through case studies of exemplary buildings, developed through the support of leading practitioners in the sustainability movement. *High Performing Buildings* is available in digital form at no cost. Building projects highlighted in the latest issue include the new Seattle City Hall, Sweetwater Creek State Park in Georgia, Cambridge (MA) City Hall Annex, 31 Tannery Project in Branchburg, New Jersey, and Indian Springs Metropark in White Lake, Michigan.

The Journal of Building Performance Simulation (JBPS). 1940-1493. Taylor & Francis. v.1, 2008. 4/year. \$468.00. <http://www.tandf.co.uk/Journals/titles/19401493.asp>

This official journal of the International Building Performance Simulation Association (IBPSA) publishes research, technology and tool development related to building performance modelling and simulation. This includes modelling and simulation aspects of building performance in relation to other research areas such as building physics, environmental engineering, mechanical engineering, control engineering, facility management, architecture, ergonomics, psychology, physiology, computational engineering, information technology, and education. The scope of topics includes theoretical aspects of building performance modelling and simulation; methodology and application of building performance simulation for any stage of design, construction, commissioning, operation or management of buildings and the systems which service them; uncertainty, sensitivity analysis, calibration, and optimization; and methods and algorithms for performance optimization of buildings and their systems.

Journal of K-Theory: K-theory and its Applications to Algebra, Geometry, Analysis and Topology. 1865-2433. Cambridge University Press. v.1, 2008. 6/year. \$800.00. <http://journals.cambridge.org/action/displayJournal?jid=KAG>

Journal of K-Theory is concerned with developments and applications of ideas and methodologies called K-theory, which have their origin in the work of Alexander Grothendieck in

algebraic geometry. Subsequently they have taken hold in various areas of topology, algebra, and analysis and in recent times have contributed to the establishment of noncommutative geometry. Recent articles include "The invariant subalgebra and anti-invariant submodule of $K^*K(p)$ ", "Equivariant intersection theory and surgery theory for manifolds with middle dimensional singular sets", and "On compact and Fredholm operators over C^* -algebras and a new topology in the space of compact operators".

Journal of the Ocean Science Foundation. 1937-7835. v.1, 2008. 4/year. Free. <http://www.oceansciencefoundation.org/josf.html>

The Ocean Science Foundation (OSF) is a non-profit non-governmental organization (NGO) set up to facilitate research on endangered tropical marine ecosystems. The Foundation's mission is to collaborate with conservation and academic NGOs in scientific research projects based in developing countries, especially projects on the ecology and conservation of coral reefs. Among other efforts, OSF is developing a 53-foot catamaran as a research platform for projects in the field. Recent articles include "Redescription of *Coryphopterus tortugae* (Jordan) and a new allied species *Coryphopterus bol* (Perciformes: Gobiidae: Gobiinae) from the tropical western Atlantic Ocean."

Optics and Photonics Letters (OPL). 1793-5288. World Scientific. v.1, 2008. <http://www.worldscinet.com/opl/opl.shtml>

Optics and Photonics Letters (OPL) is an open access journal which offers rapid dissemination of original and timely results in various fields of optics and photonics, with emphasis on peer-reviewed short communications. Articles cover the latest research in optical sciences and technology, including free-space optics, integrated and fibre optics, nonlinear optics and lasers, bio/nano-optics and photonics, photonic materials and devices, and optical and photonic technology.

Ground Improvement, Proceedings of ICE 1755-0750. Institution of Civil Engineers. v.161, 2008. 4/year. £217.00. http://www.ice.org.uk/services/services_journals.asp

This journal publishes high-quality, practical papers relevant to engineers, specialist contractors and academics involved in the development,

design, construction, monitoring and quality control aspects of ground improvement. It covers a wide range of civil and environmental engineering applications, including analytical advances, performance evaluations, pilot and model studies, instrumented case-histories and innovative applications of existing

technology.

Articles in the latest issue include "Eccentricity effect on a footing supported by a stone column", "Uplift of shallow foundations with cement-stabilised backfill", and "Subgrade modulus of geocell-reinforced sand foundations".❖



SAVE THE DATE
14 – 17 June 2009
SLA 2009 Annual Conference & INFO-EXPO
Walter E. Washington Convention Center
Washington, DC USA

www.sla.org/WashingtonDC2009

