

NEW BOOKS

This column lists recently published books that have been received by Eos.

Advances in the Physics of Particles and Nuclei, Volume 30, Douglas H. Beck et al. (Eds.), Springer, 2010, ISBN 978-3-642-04122-8, \$89.95
Analysis of Urban Growth and Sprawl From Remote Sensing Data, Basudeh Bhatta, Springer, 2010, ISBN 978-3-642-05298-9, \$169.

Assessing Climate Change: Temperatures, Solar Radiation, and Heat Balance, Second Edition, Donald Rapp, Springer, 2010, ISBN 978-3-642-01987-6, \$169.

Beyond Smoke and Mirrors: Climate Change and Energy in the 21st Century, Burton Richter, Cambridge University Press, 2010, ISBN 978-0-521-74781-3, \$29.99

Dynamic Analysis of Weather and Climate: Atmospheric Circulation, Perturbations, Climatic Evolution, Second Edition, Marcel Leroux, Springer, 2010, ISBN 978-3-642-04679-7, \$169.

Dynamics of Small Solar System Bodies and Exoplanets, Jean J. Souchay and Rudolf Dvorak (Eds.), Springer, 2010, ISBN 978-3-642-04457-1, \$109.

The Earth as a Distant Planet: A Rosetta Stone for the Search of Earth-Like Worlds, M. Vázquez et al., Springer, 2010, ISBN 978-1-4419-1683-9, \$119.

Ecological Restoration: A Global Challenge, Francisco A. Comin (Ed.), Cambridge University Press, 2010, ISBN 978-0-521-87711-4, \$78.

Ecology of Industrial Pollution, Lesley C. Batty and Kevin B. Hallberg (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-73038-9, \$59.
Essay on the Geography of Plants, Alexander von Humboldt and Aimé Bonpland, University of Chicago Press, 2010, ISBN 978-0-226-36066-9, \$45.

Fifth European Summer School on Experimental Nuclear Astrophysics, Claudio Spitaleri et al. (Eds.), American Institute of Physics, 2010, ISBN 978-0-7354-0756-5, \$154.

Geographic Information and Cartography for Risk and Crisis Management: Towards Better Solutions, M. Konecny et al. (Eds.), Springer, 2010, ISBN 978-3-642-03441-1, \$169.

Geospatial Thinking, M. Painho et al. (Eds.), Springer, 2010, ISBN 978-3-642-13325-2, \$179.
Global Climate Governance Beyond 2012: Architecture, Agency and Adaptation, Frank Biermann et al. (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-19011-4, \$105.

Global Sustainability: A Nobel Cause, Hans Joachim Schellnhuber et al. (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-76934-1, \$70.
Karst Environments: Karren Formation in High Mountains, Márton Veress, Springer, 2010, ISBN 978-90-481-3549-3, \$129.

Late Cenozoic Geology and Lacustrine History of Searles Valley, Inyo and San Bernardino Counties, California, George I. Smith, U.S. Geological Survey, 2009, ISBN 978-1-4113-2368-1, \$35.

Lectures on Cosmology: Accelerated Expansion of the Universe, Georg Wolschin (Ed.), Springer, 2010, ISBN 978-3-642-10597-5, \$79.95

Natural Computing, F. Paper et al. (Eds.), Springer, 2010, ISBN 978-4-431-53867-7, \$95.
Natural Heritage From East to West: Case Studies From 6 EU Countries, N. Euelpidou et al. (Eds.), Springer, 2010, ISBN 978-3-642-01576-2, \$129.

New Frontiers in Integrated Solid Earth Sciences, Sierd Cloetingh and Jörg Negendank (Eds.), Springer, 2010, ISBN 978-90-481-2736-8, \$129.

Numerical Modeling in Open Channel Hydraulics, Romuald Szymkiewicz, Springer, 2010, ISBN 978-90-481-3673-5, \$169.

Physical Principles of Sedimentary Basin Analysis, Magnus Wangen, Cambridge University Press, 2010, ISBN 978-0-521-76125-3, \$140.

Planetary Tectonics, Thomas R. Walters and Richard A. Schultz (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-76573-2, \$140.

Polar Oceans From Space, Josefino Comiso, Springer, 2010, ISBN 978-0-387-36628-9, \$169.

Pre-Mesozoic Geology of Saxo-Thuringia: From the Cadomian Active Margin to the Variscan Orogen, Ulf Linnemann and Rolf L. Romer (Eds.), Schweizerbart Science, 2010, ISBN 978-3-510-65259-4, €84.90

Prepare for Launch: The Astronaut Training Process, Erik Seedhouse, Springer, 2010, ISBN 978-1-4419-1349-4, \$34.95

Protoplanetary Dust: Astrophysical and Cosmochemical Perspectives, Dániel Apai and Dante S. Lauretta (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-51772-0, \$120.

Radar Remote Sensing of Urban Areas, Uwe Soergel (Ed.), Springer, 2010, ISBN 978-90-481-3750-3, \$129.

Radioactivity and Pollution in the Nordic Seas and Arctic Region: Observations, Modeling and Simulations, Ola M. Johannessen et al., Springer, 2010, ISBN 978-3-540-24232-1, \$189.

The Role of the Ocean in Global Cycling of Persistent Organic Contaminants: Refinement and Application of a Global Multicompartment Chemistry-Transport Model, Irene Stenmiller, Springer, 2010, ISBN 978-3-642-05008-4, \$119.

Spectral Methods for Uncertainty Quantification: With Applications to Computational Fluid Dynamics, O. P. Le Maître and O. M. Knio, Springer, 2010, ISBN 978-90-481-3519-6, \$124.

Stochastic Physics and Climate Modeling, Tim Palmer and Paul Williams (Eds.), Cambridge University Press, 2010, ISBN 978-0-521-76105-5, \$150.

Stress Field of the Earth's Crust, Arno Zang and Ole Stephansson, Springer, 2010, ISBN 978-1-4020-8443-0, \$99.

Turbulence in the Atmosphere, John C. Wyngaard, Cambridge University Press, 2010, ISBN 978-0-521-88769-4, \$75.

Turning Dust to Gold: Building a Future on the Moon and Mars, Haym Benaroya, Springer, 2010, ISBN 978-1-4419-0870-4, \$39.95

Water Footprint and Virtual Water Trade in Spain: Policy Implications, Alberto Garrido et al., Springer, 2010, ISBN 978-1-4419-5740-5, \$119.

CLASSIFIED

ADVERTISING INFORMATION

Eos is published every Tuesday. For a classified or display advertisement to be published in a future issue of Eos, electronic copy must reach us by 7:00 PM, Eastern Time, 9 days prior (Sunday) to publication. No cancellations accepted after deadline.

Ads with "Reply by" deadlines that are less than 14 days from the publication date will not be accepted.

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POSITIONS AVAILABLE

Atmospheric Sciences

Assistant Professor of Meteorology.

University of South Alabama
 Mobile, Alabama
 Earth Sciences Department
 Geology-Geography-Meteorology
 The University of South Alabama Earth Sciences Department invites applications for a tenure-track assistant professor in meteorology to begin 15 August 2010. The successful candidate should have a Ph.D. in Meteorology or a directly related field. An ABD will be considered, but significant preference will be given to applicants with a Ph.D. The candidate will teach upper level courses in either satellite meteorology or radar meteorology, as well as physical meteorology. Additional courses will be determined and developed as needed. Preference will be given to candidates who have a background in synoptic meteorology, especially some operational

experience. In addition to teaching, the successful candidate is expected to perform research in a field of his or her choice through competitive external funding. Send a copy of your curriculum vita, official transcripts, and three letters of recommendation to Dr. Wesley Tervey, Earth Science Department, LSCB 136, University of South Alabama, Mobile, AL 36688. Emailed applications will not be accepted.

Review of applications will begin immediately and continue until the position is filled. The University of South Alabama is an Equal Opportunity/Equal Access Employer.

Postdoctoral Fellowship in Dynamic Vegetation and Land Surface Modeling. The International Pacific Research Center (IPRC) of the School of Ocean and Earth Science and Technology (SOEST) of the University of Hawaii at Manoa is seeking to appoint a new postdoctoral fellow. The IPRC is a leading center for climate modeling and diagnostics research and has a particular focus on the Asia-Pacific region. Currently IPRC has

a scientific staff of over 50. We are particularly interested in a researcher who is familiar with interactive vegetation and land surface models in atmospheric and/or coupled GCMs.

The appointment is for one year renewable for a second year, subject to satisfactory performance and availability of funds. Applicants must have a Ph.D. in Meteorology, Oceanography, Geosciences or a related field. Applicants should submit a CV, statement of research interests and the names, addresses and email addresses of 3 professional references to timli@hawaii.edu.

For information about the IPRC see iprc.soest.hawaii.edu. Inquiries: Prof. Tim Li, timli@hawaii.edu. Review of applications will begin on June 8, 2010.

Biogeosciences

Deputy Director. NOAA's Office of Oceanic and Atmospheric Research Great Lakes Environmental Research Laboratory (GLERL) seeks an experienced professional to serve as our Deputy Director. From its premiere new facility in Ann Arbor, MI, GLERL scientists conduct well-recognized research that focuses on interdisciplinary physical and ecological issues and forecasts of the Great Lakes. With its many agency, academic, and private partnerships, GLERL also provides scientific leadership in the Great Lakes and other marine coastal environments. (www.glerl.noaa.gov)

The successful candidate must qualify in one of three tracks: Management Analyst, Supervisory Physical Scientist, or Supervisory Ecologist. Some of the duties of this position will include: assisting the Director in carrying out day-to-day operations, directing and developing scientific priorities and plans, analyzing and evaluating organizational methods and procedures, and serving as ambassador representing the lab to NOAA, other federal agencies, and external organizations.

This is a federal full-time permanent position with a salary range of \$105,101 to \$155,500 commensurate with experience. The position is open to status applicants (current federal employees or those who have reinstatement eligibility) and non-status applicants (those with no federal experience or serving in temporary appointments).

You must be a U.S. Citizen. To apply go to www.usajobs.gov, closing date is June 9, 2010.

The U.S. Department of Commerce is an Equal Opportunity Employer.

Geochemistry

Postdoctoral Position. The Institute for Geology and Paleontology of the University of Lausanne is inviting applications for a postdoctoral position in the field of stratigraphy, sedimentology and sediment geochemistry. We are looking for a

field-oriented Earth scientist, preferentially with interests in Mesozoic and Neogene sediments.

The position is initially planned for one year and eventual renewal is contingent upon funding. Inquiries and letters of application including a CV, publication list and names of at least three references should be addressed to Prof. Karl Foellmi (karl.foellmi@unil.ch), preferentially before July 1. The University of Lausanne is an Equal Opportunity Employer.

Hydrology

Postdoctoral Position in Hydrology/Soil Science. The Department of Earth Science at Rice University is accepting applications for a postdoctoral position to study physical hydrology, biochar, and soils. The candidate will contribute to a project studying how soil hydrologic processes are impacted by physical and chemical interactions between soils, biochar, and fluids. The scope of the project has basic science (e.g., hydrologic properties) and applied science (e.g., carbon sequestration) aspects. The postdoctoral position will also provide opportunities for the candidate to develop independent research activities. A Ph.D. in geology, civil engineering, soil science, or related field is required at the time of appointment. This is a one-year, full-time, benefits-eligible position with future years contingent upon performance and funding.

Rice University is a highly ranked, non-sectarian, private research university located in Houston, Texas, a dynamic, cosmopolitan city that is the 4th largest in the nation.

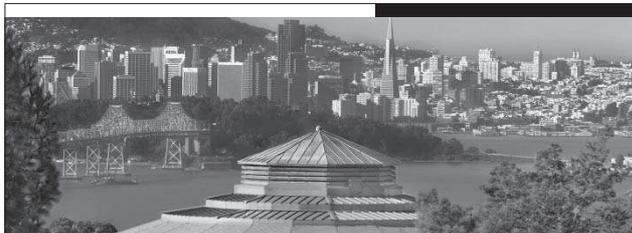
Rice occupies a 300-acre, tree-shaded campus adjacent to Houston's Museum District and the Texas Medical Center, the world's largest medical complex. Rice has a highly diverse and international student body and strong culture of cross-disciplinary collaboration.

Interested applicants should send a letter of research interests, a full CV, and the names of three references to Dr. Brandon Dugan, Dept. of Earth Science, Rice University, 6100 Main Street, MS 126, Houston, TX 77005. Email: dugan@rice.edu. Applications will be reviewed starting 15 June 2010. Or apply electronically at: <http://jobs.rice.edu/applicants/Central/quickFind=52145>.

Rice University offers staff members a comprehensive benefit package. Rice is an affirmative action, equal opportunity employer.

Tenure-Track Cold Regions Hydrology Position. The School of Geography and Earth Sciences (SGES) at McMaster University in Hamilton, Ontario, Canada invites applications for a full-time tenure track position at the Assistant Professor level or at more senior level under exceptional circumstances

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Geothermal Postdoc Fellow

The Geothermal Program, Earth Sciences Division, Lawrence Berkeley National Laboratory (LBNL) invites applications for a postdoctoral research scientist. The position is funded by the Department of Energy's Office of Renewable Energy, Geothermal Technology Program. We are seeking geoscientists with expertise in geophysics, geochemistry or hydrogeology and a strong interest in advancing technologies for clean renewable geothermal energy. The position offers an excellent environment for working with a highly skilled interdisciplinary team and will require strong motivation and excellent oral and written communication skills.

Lawrence Berkeley National Laboratory is a renowned center of scientific expertise in the many facets of energy related fundamental and applied science. The goal of the Earth Science Division's Geothermal Program is to use an integrated approach to understand the occurrence, creation, evolution and management of natural and enhanced geothermal systems.

This position requires a PhD within the last two years in geophysics, geochemistry, hydrology, hydrogeology, or a related field. Also essential is a self-motivating spirit, independent attitude and the ability to communicate and coordinate efforts among multiple groups. A background or experience in geothermal energy technologies is highly desired.

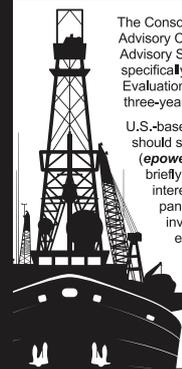
This is a one-year term appointment which can be renewed based upon performance, continued funding, and operational needs.



For details about this position and to apply, please go to: <http://jobs.lbl.gov/details.asp?jid=24072&p=1> and follow the online instructions to complete the application process.

LBNL is an Equal Opportunity/Affirmative Action Employer.

The U.S. Scientific Ocean Drilling Community Needs You!



The Consortium for Ocean Leadership seeks new members for the U.S. Advisory Committee for Scientific Ocean Drilling (USAC) and the Science Advisory Structure (SAS) of the Integrated Ocean Drilling Program (IODP), specifically the Science Planning Committee, Science Steering and Evaluation Panel, and Scientific Technology Panel. New members will serve three-year terms beginning in October 2010.

U.S.-based scientists interested in volunteering for these opportunities should send a cover letter and a two-page CV to Emily Powell (epowell@oceanleadership.org) by June 15, 2010. Letters should briefly document any previous committee experience, describe your interests in IODP, and indicate your field of expertise and preferred panel or committee assignment. We strongly encourage the involvement of early career scientists, as well as others with more experience. For more information visit

www.oceanleadership.org/ussp.



Nomination Deadline: June 15, 2010