

# APPLIED PHYSICS LETTERS

CODEN: APPLAB  
ISSN: 0003-6951  
URL: <http://ojps.aip.org/aplo/>

## Editor

Nghi Q. Lam  
Argonne National Laboratory, Argonne, IL

## Associate Editors

Charles W. Allen	F. Paul Mooring
Orlando H. Auciello	David Long Price
Samuel D. Bader	Lynn E. Rehn
Christoph H. Grein	Jules Routbort
David S. Kupperman	Linda Young

## Editorial Board

Term ending 31 December 2000

Robert Hull (University of Virginia, Charlottesville, VA)  
Georges Martin (Commissariat à l'Énergie Atomique, Saclay)  
Jerry R. Meyer (Naval Research Lab., Washington, DC)

Term ending 31 December 2001

Shuji Nakamura (Univ. of California, Santa Barbara, CA)  
R. Ramesh (University of Maryland, College Park, MD)  
Frans Spaepen (Harvard University, Cambridge, MA)

Term ending 31 December 2002

Dana D. Dlott (University of Illinois, Urbana, IL)  
Franz Faupel (Universität Kiel, Kiel, Germany)  
Karen L. Kavanagh (Simon Fraser Univ., Burnaby, BC)  
John P. Wikswo (Vanderbilt University, Nashville, TN)

**Editorial Office Staff:** Diane Kurtz, *Editorial Supervisor*; Kathleen O'Hare, *Editorial Assistant*; Suzanne Marik, Lucila Morales, Arlene Niemann, Bonnie Peters, Laura Severson, Leslie Weltmeyer, *Editorial Support*

## Information for Authors

**Submissions:** Submit manuscripts (3 copies) to Editor, *Applied Physics Letters*, Argonne National Laboratory, Bldg. 203, Room R-127, P.O. Box 8296, 9700 South Cass Avenue, Argonne, IL 60439-4871; E-mail: [apl@anl.gov](mailto:apl@anl.gov). Submission implies that the manuscript has not been published previously, and is not currently submitted for publication elsewhere. For detailed information for contributors, visit the above URL.

**Publication Charge:** To support the cost of wide dissemination of research results through publication of journal pages and production of a database of articles, the author's institution is requested to pay a *page charge* of \$105 per page (with a one-page minimum) and an *article charge* of \$20 per article. For Errata the minimum page charge is \$10, with no article charge.

**Color Printing:** Authors or their institutions must bear the cost of any color they wish to use in their papers. A fixed rate of \$650 for the first color figure and \$325 for each additional color figure applies. For multipart figures, a single charge will apply only if all parts are submitted as a single piece of artwork.

**Reprints:** Authors may order reprints with or without covers only in multiples of 50 (with a minimum of 100 in each category) from AIP, Circulation & Fulfillment/Reprints, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Telephone: 800-344-6909 (U.S. and Canada), or 516-576-2230.

**Electronic Physics Auxiliary Publication Service (EPAPS)** is a low-cost electronic depository for material that is supplemental to a journal article. For a nominal fee, authors may submit multimedia, color figures, data tables, etc. Retrieval instructions are footnoted in the published paper, and links appear in the online version. Direct requests to the Editor; for additional information see <http://www.aip.org/pubservs/epaps.html>.

**Accepted Manuscript Status Inquiry System (AMSIS):** Authors may access information about their accepted manuscript online during the production process by visiting the AMSIS website (<http://www.aip.org/msinq/status.html>).

**Comments:** Authors may direct comments on the journal or on the editorial process to Doreene Berger, Manager, Editorial Operations, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 516-576-2444; Fax: 516-576-2450; E-mail: [dberger@aip.org](mailto:dberger@aip.org).

*Applied Physics Letters* features concise, up-to-date reports of new findings in applied physics. Emphasizing rapid dissemination of key data, the Journal offers prompt publication of significant experimental and theoretical papers bearing on applications of physics to all branches of science, engineering, and modern technology.

**AIP Production:** Deborah McHone, *Editorial Supervisor*; Margaret Reilly, *Journal Coordinator*; Joanne Dolce, *Chief Production Editor*; John Bogan, *Production Editor*

## Prices

### 2000 Subscriptions

	U.S.A. & Poss.	Can., Mex., Central & S. Amer. & Caribbean <sup>a</sup>	Europe, Asia, Middle East, Africa & Oceania	
			Surface	Air Freight
<b>Member<sup>b</sup></b>				
Print+online <sup>c</sup>	\$190 <sup>d</sup>	\$255	\$255	\$335
Online only <sup>c</sup>	\$115	\$115	\$115	\$115
<b>Nonmember</b>				
Print+online <sup>c</sup>	\$1,860 <sup>d</sup>	\$1,925	—	\$2,005
Online only <sup>c</sup>	\$1,490	\$1,490	—	\$1,490

<sup>a</sup>These are Surface Mail subscription rates. Surface Mail rates apply to Canada and Mexico, to countries not served by air freight, and to Member Subscribers not electing optional air freight.

<sup>b</sup>AIP Member and Affiliated Societies.

<sup>c</sup>Annual CD-ROM is an additional \$30 for members and \$50 for nonmembers.

<sup>d</sup>Rate also applies to Microfiche+online, to all destinations.

**Back Issues:** 2000 single copies: \$40. Prior to 2000 single copies: \$27 for members; \$40 for nonmembers.

## Additional Availability

**Online Access:** *Applied Physics Letters* is available online; for details, please see <http://ojps.aip.org/aplo/>. Abstracts of journal articles are available from AIP's SPIN Web Service (<http://ojps.aip.org/spinweb/>).

**Microform:** *Applied Physics Letters* is available on microfiche issued at the same frequency as the printed journal, and annually on microfilm. Direct requests to AIP, Circulation & Fulfillment/Single Copy Sales, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Telephone: 800-344-6908 (U.S. and Canada) or 516-576-2230.

**Document Delivery:** Copies of journal articles can be ordered for online delivery from DocumentStore, AIP's online document delivery service (<http://ojps.aip.org/documentstore/>).

## Customer Service

**Subscription Orders and Renewals** should be addressed to American Institute of Physics, P.O. Box 503284, St. Louis, MO 63150-3284. Telephone: 800-344-6902 (U.S. and Canada) or 516-576-2230; Fax: 516-349-9704; E-mail: [subs@aip.org](mailto:subs@aip.org). Allow at least six weeks advance notice.

**Inquiries, Address Changes, Claims, Single Copy Replacements, and Back Volumes:** For address changes, please send both old and new addresses and, if possible, include the mailing label from a recent issue. Missing issue requests will be honored only if received within six months of publication date (nine months for Australia and Asia). Single copies of a journal may be ordered and back volumes are available in print, microfiche, or microfilm. Contact AIP Customer Services at 800-344-6902 (U.S. and Canada) or 516-576-2230; Fax: 516-349-9704; E-mail: [subs@aip.org](mailto:subs@aip.org).

**Reprint Billing:** Contact AIP Publication Charge and Reprints/CFD, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 800-344-6909 (U.S. and Canada) or 516-576-2230; E-mail: [pcr@aip.org](mailto:pcr@aip.org).

**Advertising:** Rates will be supplied on request. Orders, advertising copy, and offset negatives should be sent to: Nancy Kuhle, Advertising Department, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 516-576-2449; Fax: 516-576-2481.

## Rights and Permissions

**Copying:** Single copies of individual articles may be made for private use or research. Authorization is given (as indicated by the Item Fee Code for this publication) to copy articles beyond the use permitted by Sections 107 and 108 of the U.S. Copyright Law, provided the copying fee of \$17 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Persons desiring to photocopy materials for classroom use should contact the CCC Academic Permissions Service. The Item Fee Code for this publication is 0003-6951/2000 \$17.00.

Authorization does not extend to systematic or multiple reproduction, to copying for promotional purposes, to electronic storage or distribution, or to republication in any form. In all such cases, specific written permission from AIP must be obtained.

**Other Use:** Permission is granted to quote from the journal with the customary acknowledgment of the source. To reprint a figure, table, or other excerpt requires the consent of one of the authors and notification to AIP.

**Requests for Permission:** Address requests to AIP Office of Rights and Permissions, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Telephone: 516-576-2268; Fax: 516-576-2450; E-mail: [rights@aip.org](mailto:rights@aip.org).

*Applied Physics Letters* (ISSN: 0003-6951) is published weekly by the American Institute of Physics, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. 2000 subscription rates are: US\$1860. POSTMASTER: Send address changes to *Applied Physics Letters*, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. Periodicals postage rates are paid at Huntington Station, NY 11746, and at additional mailing offices.

Copyright © 2000 American Institute of Physics. All rights reserved.