

**ABSTRACTS**  
of  
**Working Papers**  
in  
**ECONOMICS**

*The Official Journal of the AWPE Database*

**Halbert White, Editor**

**CAMBRIDGE**  
**UNIVERSITY PRESS**

# ABSTRACTS OF WORKING PAPERS IN ECONOMICS

Editor

Halbert White

*University of California, San Diego*

## Board of Contributing Editors

Don Andrews, *Yale University*  
Charles Bates, *Johns Hopkins University*  
Jere R. Behrman, *University of Pennsylvania*  
Anil K. Bera, *University of Illinois, Urbana-Champaign*  
Ben Bernanke, *Princeton University*  
Richard Blundell, *University College London*  
Glen G. Cain, *University of Wisconsin-Madison*  
Chris Cavanagh, *Harvard University*  
Arnold Colclery, *Columbia University*  
Meghnad Desai, *London School of Economics*  
Francis X. Diebold, *The Federal Reserve System*  
Michael Dobie, *New York University*  
Jeffrey Alan Dubin, *Caltech*  
Nicholas Economides, *Columbia University*  
Stephen Figlewski, *New York University*  
Gideon Fishelson, *Tel Aviv University*  
Charles S. Gardener, *International Monetary Fund*  
Christian Gourieroux, *CEPREMAP*  
Gene M. Grossman, *Princeton University*  
Sangmoon Hahn, *Virginia Polytechnical Institute and S.U.*  
Michael Haliassos, *University of Maryland*  
A.D. Hall, *Australian National University*  
Jonathan Hamilton, *University of Florida*  
Jay Helms, *University of California, Davis*  
Dale W. Henderson, *The Federal Reserve System*  
James R. Hosen, *Rand Corporation*  
David Humphrey, *The Federal Reserve System*  
Pauline M. Ippolito, *Federal Trade Commission*  
Steve Jones, *University of British Columbia*  
Larry S. Karp, *University of California, Berkeley*  
Nicholas M. Kiefer, *Cornell University*  
Maxwell L. King, *Monash University*  
Jan F. Kiviet, *University of Amsterdam*  
Colin Lawrence, *Columbia University*

Editorial Assistant

Marion Smith Picard

*University of California, San Diego*

Richard Layard, *London School of Economics*  
Lung-Fei Lee, *University of Minnesota*  
David Levine, *University of California at Los Angeles*  
Ben Lockwood, *Birkbeck College*  
Glenn M. MacDonald, *University of Western Ontario*  
James M. MacKinnon, *Queen's University*  
Robert S. Mariano, *University of Pennsylvania*  
Robert C. Marshall, *Duke University*  
A. Mattei, *University of Lausanne*  
Alain Monfort, *I.N.S.E.E.*  
Whitney Newey, *Princeton University*  
Stephen Nickell, *University of Oxford*  
Michael Porter, *Monash University*  
Marshall B. Reinsdorf, *Department of Labor*  
Stanley Reiter, *Northwestern University*  
Mark Rosenzweig, *University of Minnesota*  
Paul Ruud, *University of California, Berkeley*  
Heike Schmidt, *Universität Bonn*  
Peter Schmidt, *Michigan State University*  
G. William Schwert, *University of Rochester*  
William W. Sharkey, *Bell Communications Research, Inc.*  
Annie Spillane, *NBER*  
Pablo Spiller, *Stanford University*  
Charles Struckmeyer, *The Federal Reserve System*  
Vincent Tarascio, *University of North Carolina*  
Steve Thomas, *University of Southampton*  
Michael A. Toman, *Resources for the Future*  
Hal Varian, *University of Michigan*  
Sheila Verkaeren, *Université Catholique de Louvain*  
Chris Winship, *Economics Research Center/NORC*  
Glenn A. Woroch, *University of Rochester*  
Adonis Yatchew, *University of Toronto*  
J. Steven Yeo, *Centre for Economic Policy Research*  
Richard Zeckhauser, *Harvard University*

Managing Editor

Robin Allen

*University of California, San Diego*

**Editorial Office:** *Abstracts of Working Papers in Economics*.  
Department of Economics, D-008, University of California San  
Diego, La Jolla, CA 92093, USA. Tel. (619) 534-3502.

**Publishing, Production and Advertising Offices:** Cambridge  
University Press, 40 West 20th Street, New York, NY 10011-4211,  
USA.

**Subscription Office:** Cambridge University Press, 110 Midland  
Avenue, Port Chester, NY 10573-4930, USA (for  
US/Canada/Mexico); or Cambridge University Press, The  
Edinburgh Building, Shaftesbury Road Cambridge CB2 2RU,  
England (for UK/rest of world).

**1994 Subscription Information:** *Abstracts of Working Papers in  
Economics* (ISSN 0951-0079) is published bimonthly. Annual  
institutional subscription rate: US \$190.00 in the USA, Canada, and  
Mexico; UK £132.00 elsewhere. Individual rates: US \$95.00 in the  
USA, Canada, and Mexico; UK £65.00 elsewhere. Student rate:  
US \$60.00 in the USA, Canada, and Mexico only. Prices include  
postage and insurance. Back volumes available upon request.

Copyright © 1994 Cambridge University Press

All rights reserved. No part of this publication may be reproduced,  
in any form or by any means, electronic, photocopying or otherwise,  
without permission in writing from the copyright holder.

*Photocopying information for users in the USA:* The Item-Fee Code  
for this publication indicates that copying for internal or personal  
use beyond that permitted by Sec. 107 or 108 of the US Copyright  
Law is authorized for users duly registered with the Copyright  
Clearance Center (CCC) Transactional Reporting Service, provided  
that the appropriate remittance of \$.50 per page is paid directly to:  
CCC, 222 Rosewood Drive, Danvers, MA 01923. Specific written  
permission must be obtained for all other copying: Contact your  
nearest Cambridge University Press office. *The Item-Fee Code* for  
this journal is 0951-0079/94 \$0.00 + .50

Application to mail at second-class rates is pending at New York,  
NY and additional mailing offices. Postmaster: Send address  
changes in the USA and Canada to *Abstracts of Working Papers in  
Economics*, Subscription Department, Cambridge University Press,  
110 Midland Avenue, Port Chester, NY 10573.