

This PDF is a selection from a published volume from
the National Bureau of Economic Research

Volume Title: NBER International Seminar on Macroeconomics
2004

Volume Author/Editor: Richard H. Clarida, Jeffrey
Frankel, Francesco Giavazzi and Kenneth D. West,
editors

Volume Publisher: The MIT Press

Volume ISBN: 0-262-03360-7

Volume URL: <http://www.nber.org/books/clar06-1>

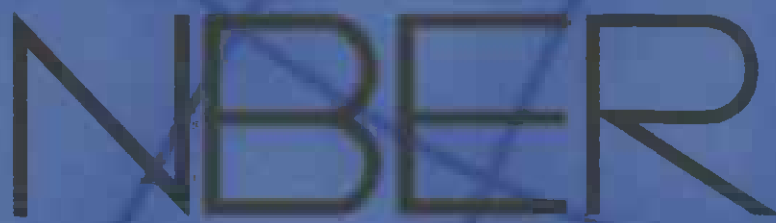
Conference Date: June 13-14, 2003; June 18-19, 2004

Publication Date: September 2006

Title: Front matter, table of contents, abstracts

Author: Richard H. Clarida, Jeffrey A. Frankel, Francesco
Giavazzi, Kenneth D. West

URL: <http://www.nber.org/chapters/c11272>

The NBER logo is rendered in a large, dark, serif font. The letters are closely spaced and have a slightly shadowed or 3D effect, making them stand out against the blue background. The background itself is a light blue map of the world with white outlines for continents and a grid of latitude and longitude lines.

NBER

*International Seminar
on
Macroeconomics
2004*

*edited by Richard H. Clarida, Jeffrey A. Frankel,
Francesco Giavazzi, and Kenneth D. West*

National Bureau of Economic Research

**NBER International Seminar
on Macroeconomics 2004**

NBER International Seminar on Macroeconomics 2004

Richard H. Clarida, Jeffrey A. Frankel, Francesco Giavazzi,
and Kenneth D. West, editors

The MIT Press
Cambridge, Massachusetts
London, England

NBER/International Seminar on Macroeconomics 2004

ISSN: 0889-3365

ISBN-10: 0-262-03360-7 (hc.:alk.paper)—0-262-53287-5 (pbk.:alk.paper)

ISBN-13: 978-0-262-03360-2 (hc.:alk.paper)—978-0-262-53287-7 (pbk.:alk.paper)

Published annually by The MIT Press, Cambridge, Massachusetts 02142.

© 2006 by the National Bureau of Economic Research and the Massachusetts Institute of Technology.

All rights reserved. No part of this book may be reproduced in any form by any electronic or mechanical means (including photocopying, recording, or information storage and retrieval) without permission in writing from the publisher.

Standing orders/subscriptions are available. Inquiries, and changes to subscriptions and addresses should be addressed to Trilateral, Attention: Standing Orders, 100 Maple Ridge Drive, Cumberland, RI 02864, phone 1-800-366-6687 ext. 112 (U.S. and Canada), fax 1-800-406-9145 (U.S. and Canada).

In the United Kingdom, continental Europe, and the Middle East and Africa, send single copy and back volume orders to: The MIT Press, Ltd., Fitzroy House, 11 Chenies Street, London WC1E 7ET England, phone 44-020-7306-0603, fax 44-020-7306-0604, email info@hup-MITpress.co.uk, website <http://mitpress.mit.edu>.

In the United States and for all other countries, send single copy and back volume orders to: The MIT Press c/o Trilateral, 100 Maple Ridge Drive, Cumberland, RI 02864, phone 1-800-405-1619 (U.S. and Canada) or 401-658-4226, fax 1-800-406-9145 (U.S. and Canada) or 401-531-2801, email mitpress-orders@mit.edu, website <http://mitpress.mit.edu>.

MIT Press books may be purchased at special quantity discounts for business or sales promotional use. For information, please email special_sales@mitpress.mit.edu or write to Special Sales Department, The MIT Press, 55 Hayward Street, Cambridge, MA 02142.

This book was set in Palatino and was printed and bound in the United States of America.

10 9 8 7 6 5 4 3 2 1

NBER Board of Directors by Affiliation

Officers

Elizabeth E. Bailey, *Chairman*
John S. Clarkeson, *Vice Chairman*
Martin Feldstein, *President and Chief Executive Officer*
Susan Colligan, *Vice President for Administration and Budget and Corporate Secretary*
Robert Mednick, *Treasurer*
Kelly Horak, *Controller and Assistant Corporate Secretary*
Gerardine Johnson, *Assistant Corporate Secretary*

Directors at Large

Peter C. Aldrich	Jessica P. Einhorn	Laurence H. Meyer
Elizabeth E. Bailey	Martin Feldstein	Michael H. Moskow
John H. Biggs	Jacob A. Frenkel	Alicia H. Munnell
Andrew Brimmer	Judith M. Gueron	Rudolph A. Oswald
John S. Clarkeson	Robert S. Hamada	Robert T. Parry
Don R. Conlan	Karen N. Horn	Marina v. N. Whitman
Kathleen B. Cooper	Judy C. Lewent	Martin B. Zimmerman
George C. Eads	John Lipsky	

Directors by University Appointment

George Akerlof, <i>California, Berkeley</i>	Marjorie B. McElroy, <i>Duke</i>
Jagdish Bhagwati, <i>Columbia</i>	Joel Mokyr, <i>Northwestern</i>
Ray C. Fair, <i>Yale</i>	Andrew Postlewaite, <i>Pennsylvania</i>
Michael J. Brennan, <i>California, Los Angeles</i>	Uwe E. Reinhardt, <i>Princeton</i>
Glen G. Cain, <i>Wisconsin</i>	Nathan Rosenberg, <i>Stanford</i>
Franklin Fisher, <i>Massachusetts Institute of Technology</i>	Craig Swan, <i>Minnesota</i>
Saul H. Hymans, <i>Michigan</i>	David B. Yoffie, <i>Harvard</i>
	Arnold Zellner (Director Emeritus), <i>Chicago</i>

Directors by Appointment of Other Organizations

Richard B. Berner, <i>National Association For Business Economics</i>	Robert Mednick, <i>American Institute of Certified Public Accountants</i>
Gail D. Fosler, <i>The Conference Board</i>	Angelo Melino, <i>Canadian Economics Association</i>
Martin Gruber, <i>American Finance Association</i>	Jeffrey M. Perloff, <i>American Agricultural Economics Association</i>
Arthur B. Kennickell, <i>American Statistical Association</i>	John J. Siegfried, <i>American Economic Association</i>
Thea Lee, <i>American Federation of Labor and Congress of Industrial Organizations</i>	Gavin Wright, <i>Economic History Association</i>
William W. Lewis, <i>Committee for Economic Development</i>	

Directors Emeriti

Carl F. Christ	Franklin A. Lindsay	Richard N. Rosett
George Hatsopoulos	Paul W. McCracken	Eli Shapiro
Lawrence R. Klein	Peter G. Peterson	Arnold Zellner

Relation of the Directors to the Work and Publications of the NBER

1. The object of the NBER is to ascertain and present to the economics profession, and to the public more generally, important economic facts and their interpretation in a scientific manner without policy recommendations. The Board of Directors is charged with the responsibility of ensuring that the work of the NBER is carried on in strict conformity with this object.
2. The President shall establish an internal review process to ensure that book manuscripts proposed for publication DO NOT contain policy recommendations. This shall apply both to the proceedings of conferences and to manuscripts by a single author or by one or more co-authors but shall not apply to authors of comments at NBER conferences who are not NBER affiliates.
3. No book manuscript reporting research shall be published by the NBER until the President has sent to each member of the Board a notice that a manuscript is recommended for publication and that in the President's opinion it is suitable for publication in accordance with the above principles of the NBER. Such notification will include a table of contents and an abstract or summary of the manuscript's content, a list of contributors if applicable, and a response form for use by Directors who desire a copy of the manuscript for review. Each manuscript shall contain a summary drawing attention to the nature and treatment of the problem studied and the main conclusions reached.
4. No volume shall be published until forty-five days have elapsed from the above notification of intention to publish it. During this period a copy shall be sent to any Director requesting it, and if any Director objects to publication on the grounds that the manuscript contains policy recommendations, the objection will be presented to the author(s) or editor(s). In case of dispute, all members of the Board shall be noti-

fied, and the President shall appoint an ad hoc committee of the Board to decide the matter; thirty days additional shall be granted for this purpose.

5. The President shall present annually to the Board a report describing the internal manuscript review process, any objections made by Directors before publication or by anyone after publication, any disputes about such matters, and how they were handled.

6. Publications of the NBER issued for informational purposes concerning the work of the Bureau, or issued to inform the public of the activities at the Bureau, including but not limited to the NBER Digest and Reporter, shall be consistent with the object stated in paragraph 1. They shall contain a specific disclaimer noting that they have not passed through the review procedures required in this resolution. The Executive Committee of the Board is charged with the review of all such publications from time to time.

7. NBER working papers and manuscripts distributed on the Bureau's web site are not deemed to be publications for the purpose of this resolution, but they shall be consistent with the object stated in paragraph 1. Working papers shall contain a specific disclaimer noting that they have not passed through the review procedures required in this resolution. The NBER's web site shall contain a similar disclaimer. The President shall establish an internal review process to ensure that the working papers and the web site do not contain policy recommendations, and shall report annually to the Board on this process and any concerns raised in connection with it.

8. Unless otherwise determined by the Board or exempted by the terms of paragraphs 6 and 7, a copy of this resolution shall be printed in each NBER publication as described in paragraph two above.

Contents

Abstracts xiii

Introduction 1

Richard H. Clarida, Jeffrey A. Frankel, Francesco Giavazzi,
and Kenneth D. West

Part I: Macroeconomic Fluctuations and Policy Response

1 The Source of Historical Economic Fluctuations: An Analysis using Long-Run Restrictions 17

Neville Francis and Valerie A. Ramey

Comments 50

Harald Uhlig

Susanto Basu

2 Optimal Monetary and Fiscal Policy in a Liquidity Trap 75

Gauti B. Eggertsson and Michael Woodford

Comments 132

Tor Einarsson

Eric M. Leeper

3 Rule-Based Monetary Policy under Central Bank Learning 145

Kosuke Aoki and Kalin Nikolov

Comments 182

Fabio Canova

V.V. Chari

4 The Comovement of Returns and Investment within the Multinational Firm 197

Mihir A. Desai and C. Fritz Foley

Comments 231

José Manuel Campa

Evi Pappa

Part II: Macroeconomic Policy in a Union of Diverse Economies

5 How Do Monetary and Fiscal Policy Interact in the European Monetary Union? 241

Matthew B. Canzoneri, Robert E. Cumby, and Behzad T. Diba

Comments 300

Gauti B. Eggertsson

Carlo A. Favero

6 Does it Cost to be Virtuous? The Macroeconomic Effects of Fiscal Constraints 327

Fabio Canova and Evi Pappa

Comments 362

Kenneth D. West

Gylfi Zoega

7 Can Endogenous Changes in Price Flexibility Alter the Relative Welfare Performance of Exchange Rate Regimes? 371

Ozge Senay and Alan Sutherland

Comments 401

Gianluca Benigno

Matthew B. Canzoneri

8 Saving and Cohabitation: The Economic Consequences of Living with One's Parents in Italy and the Netherlands 413

Rob Alessie, Agar Brugiavini, and Guglielmo Weber

Comments 442

Mihir A. Desai

Michael McMahon

9 Is Poland the Next Spain? 459

Francesco Caselli and Silvana Tenreyro

Comments 524

Jeffrey A. Frankel

Richard H. Clarida

Abstracts

1 The Source of Historical Economic Fluctuations: An Analysis using Long-Run Restrictions

Neville Francis and Valerie A. Ramey

This paper investigates the source of historical fluctuations in annual U.S. data extending back to the late 19th century. Long-run identifying restrictions are used to decompose productivity, hours, and output into technology shocks and nontechnology shocks. A variety of models with differing auxiliary assumptions are investigated. The preferred model suggests that the Great Depression was a period in which both types of shocks were very negative. On the other hand, our estimates support the microeconomic evidence of historically large positive technology shocks from 1934 to 1936. Finally, both types of shocks are responsible for the reduction in the variance of output in the post-WWII period.

2 Optimal Monetary and Fiscal Policy in a Liquidity Trap

Gauti B. Eggertsson and Michael Woodford

In previous work (Eggertsson and Woodford, 2003), we characterized the optimal conduct of monetary policy when a real disturbance causes the natural rate of interest to be temporarily negative, so that the zero lower bound on nominal interest rates binds, and showed that commitment to a history-dependent policy rule can greatly increase welfare relative to the outcome under a purely forward-looking inflation target. Here we consider in addition optimal tax policy in response to such a disturbance, to determine the extent to which fiscal policy can help to mitigate the distortions resulting from the zero bound, and to consider whether a history-dependent monetary policy commitment

continues to be important when fiscal policy is appropriately adjusted. We find that even in a model where complete tax smoothing would be optimal as long as the zero bound never binds, it is optimal to temporarily adjust tax rates in response to a binding zero bound; but when taxes have only a supply-side effect, the optimal policy requires that the tax rate be *raised* during the “trap,” while committing to lower tax rates below their long-run level later. An optimal policy commitment is still history-dependent, in general, but the gains from departing from a strict inflation target are modest in the case that fiscal policy responds to the real disturbance in an appropriate way.

3 Rule-Based Monetary Policy under Central Bank Learning

Kosuke Aoki and Kalin Nikolov

The paper evaluates the performance of three popular monetary policy rules when the central bank is learning about the parameter values of a simple New Keynesian model. The three policies are: (1) the optimal non-inertial rule; (2) the optimal history-dependent rule; (3) the optimal price-level targeting rule. Under rational expectations rules (2) and (3) both implement the fully optimal equilibrium by improving the output-inflation trade off. When imperfect information about the model parameters is introduced, it is found that the central bank makes monetary policy mistakes, which affect welfare to a different degree under the three rules. The optimal history-dependent rule is worst affected and delivers the lowest welfare. Price level targeting performs best under learning and maintains the advantages of conducting policy under commitment. These findings are related to the literatures on feedback control and robustness. The paper argues that adopting integral representations of rules designed under full information is desirable because they deliver the beneficial output-inflation trade-off of commitment policy while being robust to implementation errors.

4 The Comovement of Returns and Investment within the Multinational Firm

Mihir A. Desai and C. Fritz Foley

Can financial integration, particularly the cross-border investments of multinational firms, help explain the synchronization of business

cycles? This paper presents evidence on the comovement of returns and investment within U.S. multinational firms to address this question. These firms constitute significant fractions of economic output and investment in most large economies, suggesting that they could create significant economic linkages. Aggregate measures of rates of return and investment rates of U.S. multinational firms located in different countries are highly correlated across countries. Firm-level regressions demonstrate that rates of return and investment rates of affiliates are highly correlated with the rates of return and investment of the affiliate's parent and other affiliates within the same parent system, controlling for country and industry factors. The evidence on these interrelationships and the importance of multinationals to local economies suggests that global firms may be an important channel for transmitting economic shocks. This evidence also sheds light on asset pricing puzzles related to the diversification benefits provided by multinational firms.

5 How Do Monetary and Fiscal Policy Interact in the European Monetary Union?

Matthew B. Canzoneri, Robert E. Cumby, and Behzad T. Diba

Formation of the Euro area raises new questions about the coordination of monetary and fiscal policy. Using a New Neoclassical Synthesis (NNS) model, we show that a common monetary policy, responding to area-wide aggregates, has asymmetric effects on countries within the union, depending on whether they are large or small, or whether they have high or low debts. We analyze the implications of these asymmetries for the various countries' welfare and for their fiscal policies. We also study rules for setting national tax and spending rates, rules that constrain movements in the deficit to GDP ratio. We ask whether these rules are necessary for the common monetary policy to be able to harmonize national inflation rates, and we analyze their effects on national welfare. We also discuss some potential failings of our model (and perhaps NNS models generally); in particular, our model's variance decompositions suggest that productivity shocks may play an inordinately large role, while fiscal shocks (or demand shocks generally) may play too small a role (even when "rule of thumb" spenders are added).

6 Does it Cost to be Virtuous? The Macroeconomic Effects of Fiscal Constraints

Fabio Canova and Evi Pappa

We study whether and how fiscal restrictions alter the business cycle features of macrovariables for a sample of 48 U.S. states. We also examine the “typical” transmission properties of fiscal disturbances and the implied fiscal rules of states with different fiscal restrictions. Fiscal constraints are characterized with a number of indicators. There are similarities in second moments of macrovariables and in the transmission properties of fiscal shocks across states with different fiscal constraints. The cyclical response of expenditure differs in size and sometimes in sign, but heterogeneity within groups makes point estimates statistically insignificant. Creative budget accounting is responsible for the pattern. Implications for the design of fiscal rules and the reform of the Stability and Growth Pact are discussed.

7 Can Endogenous Changes in Price Flexibility Alter the Relative Welfare Performance of Exchange Rate Regimes?

Ozge Senay and Alan Sutherland

A dynamic general equilibrium model of a small open economy is presented where agents may choose the frequency of price changes. A fixed exchange rate is compared to inflation targeting and money targeting. A fixed rate generates more price flexibility than the other regimes when the expenditure switching effect is relatively weak, while money targeting generates more flexibility when the expenditure switching effect is strong. These endogenous changes in price flexibility can lead to changes in the welfare performance of regimes. But, for the model calibration considered here, the extra price flexibility generated by a peg does not compensate for the loss of monetary independence. Inflation targeting yields the highest welfare level despite generating the least price flexibility of the three regimes considered.

8 Saving and Cohabitation: The Economic Consequences of Living with One’s Parents in Italy and the Netherlands

Rob Alessie, Agar Brugiavini, and Guglielmo Weber

The paper deals with the effects of cohabitation of grown children with their parents on household saving, using data from Italy and the

Netherlands. It presents a two-period game-theoretical model where the child has to decide whether to move out of the parental home. This decision is affected by transaction costs, the child's preference for independence, and by the consumption loss induced by the move (consumption is a public good while the child lives in the parental home). We show that the child's income share affects the household saving decision, in contrast with predictions of the standard unitary model of household decision making. Empirical results from both countries are supportive of the key model predictions. We find strong positive effects of the child income share on the saving rate in Italy, where we calculate saving as the difference between disposable income and consumption but cannot distinguish children who will leave from those who will stay. We also find some significant effects of the child income share on household saving rate in the Netherlands, where saving is computed as the change over time in financial wealth. In the Dutch data we distinguish between children who stay and children who leave. The effect of the child's income share is significantly negative for those who stay, positive for those who leave.

9 Is Poland the Next Spain?

Francesco Caselli and Silvana Tenreyro

We revisit Western Europe's record with labor-productivity convergence and tentatively extrapolate its implications for the future path of Eastern Europe. The poorer Western European countries caught up with the richer ones through both higher rates of physical capital accumulation and greater total factor productivity (TFP) gains. These (relatively) high rates of capital accumulation and TFP growth reflect convergence along two margins. One margin (between industries) is a massive reallocation of labor from agriculture to manufacturing and services, which have higher capital intensity and use resources more efficiently. The other margin (within industries) reflects capital deepening and technology catch-up at the industry level. In Eastern Europe the employment share of agriculture is typically quite large, and agriculture is particularly unproductive. Thus, there are potential gains from sectoral reallocation. However, quantitatively, the between-industry component of the East's income gap is quite small. Therefore, the East seems to have only one real margin to exploit: the within-industry one. Coupled with the fact that within-industry productivity gaps are enormous, this suggests that convergence will take a long time. On the

positive side, however, Eastern Europe already has levels of human capital similar to those of Western Europe. This is good news because human capital gaps have proved very persistent in Western Europe's experience. Hence, Eastern Europe does start out without the handicap that is harder to overcome.