Dynamic Econometric Modeling brings together presentations of some of the fundamental new research that has begun to appear in the areas of dynamic structural modeling, nonlinear structural modeling, time series modeling, nonparametric inference, and chaotic attractor inference. These areas of research have in common a movement away from the use of static structural models in econometrics.

The contents of this volume comprise the proceedings of the third conference in a series entitled *International Symposia in Economic Theory and Econometrics*. This conference was held in 1986 at the IC^2 (Innovation, Creativity and Capital) Institute at the University of Texas at Austin. The symposia in this series are sponsored by the IC^2 Institute and the RGK Foundation.

This volume, edited by Professors William A. Barnett, Ernst R. Berndt, and Halbert White, consists of four parts: Part I examines dynamic structural modeling; Part II, linear time series modeling; Part III, chaotic attractor modeling; and Part IV, applications of these models.

Dynamic econometric modeling

International Symposia in Economic Theory and Econometrics

Editor
William A. Barnett, *University of Texas at Austin and Duke University*

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Dynamic econometric modeling

Proceedings of the Third International Symposium in Economic Theory and Econometrics

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Editors' introduction

The contents of this volume comprise the proceedings of a conference held at the IC² Institute at the University of Texas at Austin on May 22–3, 1986.[1] The conference was entitled "Dynamic Econometric Modeling," and was organized to bring together presentations of some of the fundamental new research that has begun to appear in the areas of dynamic structural modeling, time series modeling, nonparametric inference, and chaotic attractor inference. These areas of research have in common a movement away from the use of static linear structural models in econometrics.

The conference that produced this proceedings volume is the third in a new conference series, called *International Symposia in Economic Theory and Econometrics.*[2] The proceedings series is under the general editorship of William A. Barnett. Individual volumes in the series will often have co-editors, and the series has a permanent Board of Advisory Editors. The symposia in the series are sponsored by the IC² Institute at the University of Texas at Austin and are cosponsored by the RGK Foundation.

This third conference also was cosponsored by the Federal Reserve Bank of Dallas and by the Department of Economics, Department of Finance, Graduate School of Business, and Center for Statistical Sciences at the University of Texas at Austin. The first conference in the series was co-organized by William A. Barnett and Ronald Gallant, who also co-edited the proceedings volume. It appeared as the volume 30, October/November 1985 edition of the *Journal of Econometrics*. The topic was "New Approaches to Modelling, Specification Selection, and Econometric Inference."

1 IC² stands for Innovation, Creativity, and Capital.
2 The title of the series recently was changed from *Austin Symposia in Economics* as a result of the increasingly international nature of the symposia in the series.

Beginning with the second symposium in the series, the proceedings of the symposia appear as volumes in this Cambridge University Press monograph series. The co-organizers of the second symposium and co-editors of its proceedings volume were William A. Barnett and Kenneth J. Singleton. The topic was new approaches to monetary economics. The co-organizers of the third symposium, which produced the current proceedings volume, were William A. Barnett and Ernst R. Berndt; and the coeditors of this proceedings volume are William A. Barnett, Ernst R. Berndt, and Halbert White.

The co-organizers of the fourth symposium, held on May 28–9, 1987 and entitled "Economic Complexity: Chaos, Sunspots, Bubbles, and Nonlinearity," are William A. Barnett, John Geweke, and Karl Shell, who are also the coeditors of the proceedings volume. The fifth symposium in the series, on nonparametric and seminonparametric methods, currently is being organized for May 1988 by William A. Barnett, James Powell, George Tauchen, and Jean-François Richard. The sixth symposium will be held at CORE in Belgium and is being organized by William A. Barnett, Jean-François Richard, and Claude D'Aspremont. The topic is general equilibrium theory and applications.

The intention of the volumes in the proceedings series is to provide refereed journal-quality collections of research papers of unusual importance in areas of highly visible current activity within the economics profession. Because of the refereeing requirements associated with the editing of the proceedings, the volumes in the series will not necessarily contain all of the papers presented at the corresponding symposia.

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