

LIST OF PUBLICATIONS: Matti Estola

PRESENTATIONS IN INTERNATIONAL SEMINARS

1 "Willingness to Pay in the Theory of a Consumer". Annual Workshop on Economic Heterogeneous Interacting Agents. June 21-23, 2012. University of Pantheon-Assas, Paris II ERMES-CNRS.

2) "Adjustment in Exchange Rate, Interest Rate, and Price Level by Economic Forces". Econophysics, New Economics & Complexity. International Conference, Hyperion University, Bucharest, Romania 29.5.-1.6.2012.

3) "Measuring the Growth and the Structural Change in a Multi-Sector Economy". Econophysics, New Economics & Complexity. International Conference, Hyperion University, Bucharest, Romania 26-28.5. 2011.

4) "Lagrangian mechanics of a simple economic model", Econophysics Colloquium, Taipei, Taiwan 2-4. 11. 2010 (Together with Alia Dannenberg).

5) "Measuring and Testing Economic Laws of Production", Econophysics Colloquium, Taipei, Taiwan 2-4. 11. 2010 (Together with Alia Dannenberg).

6) "Modelling the Reasons for Firms' Growth". Econophysics, New Economics & Complexity. International Conference, Hyperion University, Bucharest, Romania 20-22.5. 2010.

7) "Measuring the Growth and the Structural Change of a Multi-Sector Economy". Economic Science of Heterogenous Interacting Agents. Beijing Normal University, Beijing China. 18-20.6. 2009.

8) "A New Framework for Modelling in Economics: Decision-Making Steelyard". Econophysics Colloquium, Polytechnic University of Marche, Piazzale Martelli, 8-60121 Ancona, Italy, 27-29. 9. 2007.

9) "On the Adjustment, Stability and Growth of Market Mechanism". Econophysics Colloquium 2006 and Third Bonzenfri Colloquium, International Christian University, Tokyo, Japan 23-25 November 2006.

10) "Asset Price Dynamics by Economic Forces". Econophysics Colloquium 2006 and Third Bonzenfri Colloquium, International Christian University, Tokyo, Japan 23-25 November 2006.

11) "Tax Policy as Open-Loop Control of Firms". International Seminar of 'Law and Economics', Perm State University, Russia, 3-4. 6. 2003.

12) "Measuring the Growth and Structural Change of an n -Sector Economy". International Conference about 'International Business in Transition Economies', Kaunas, Lithuania, November 9-10, 2000.

13) "A Micro Basis for Growth Theory: An Application of Economic Forces", International Symposium of Economic Dynamics from the Physics Point of View, Physics Center Bad Honnef, Germany, March 27-30, 2000.

14) "On the Dynamics of Asset Prices: A Stochastic Approach". International Workshop on Econophysics and Statistical Finance, Palermo, Italy, 28-30. 9. 1998.

15) "On the Dynamics of Asset Prices". International Symposium of Economic Modelling. Vienna, Austria, 8-9 July, 1998.

16) "The Basis of Formal Economics". Second International Workshop on the Methodology of Economics. Selwyn College, Cambridge England, September 1-3, 1994.

17) "Price and Production Dynamics, According to Classical Mechanics". Nordic Doctoral Programme in Economics. Workshop in Mathematical Economics and Game Theory. University of Copenhagen, Denmark, January 21-22, 1994.

18) "Neoclassical Production Theory as an Application of Mechanical Statics". International Symposium on Economic Modelling. University of Piraeus, Athens, Greece, 2-4 June 1993.

19) "An Analogue Between Growth Theory and Mechanics". International Symposium on Economic Modelling. University of Göteborg, Sweden, 18-20 August 1992.

ARTICLES IN INTERNATIONAL JOURNALS WITH REFEREE PRACTICE

1) Estola, Matti & Alia Dannenberg: "Testing the neo-classical and the Newtonian theory of production". Accepted in *Physica A*, Summer 2012.

2) Estola, Matti: "Measuring the Growth and the Structural Change in a Multi-Sector Economy". *Hyperion International Journal of Econophysics & New Economy*, Vol. 4. Issue 1, 2011.

3) Estola, Matti: "Modelling the Reasons for Firm's Growth: A Control-Theoretic Approach". *Hyperion International Journal of Econophysics & New Economy*, Vol. 3, Issue 1, 2010.

4) Estola, Matti & Veli-Matti Hokkanen: "Asset Price Dynamics by Economic Forces". *Betriebswirtschaftliche Forschung und Praxis*, 5/2007.

5) Estola, Matti: "A Dynamic Theory of a Firm: An Application of 'Economic Forces'". *Advances in Complex Systems*, Vol. 4, No.1, 2001.

6) Estola, Matti: "About the Ethics of Business Competition". *Effective Executive*, April 2003, pp. 24-28.

7) Estola, Matti: "The Axioms and Laws of an Economic System". *International Journal of Development Planning Literature*, Vol. 15, No. 4, Oct-Dec. 2000.

ARTICLES IN INTERNATIONAL COMPILED BOOKS

1) Estola, Matti: "A Dynamic Theory of a Firm: An Application of 'Economic Forces'". In 'Modeling Complexity in Economic and Social Systems', Edited by Frank Schweitzer, World Scientific Publishing Co., 2002.

2) Estola, Matti: "About the Ethics of Business Competition". In 'Perspectives in Business Ethics with PowerWeb, Second Edition', Authors: Tony McAdams, Laura Hartman and James Freeman, McGraw-Hill, 2001.

3) Estola, Matti & Veli-Matti Hokkanen: "A Dynamic Theory of Consumer Behaviour". The Current State of Economic Science, Edited by Shri Bhagwan Dahiya, Spellbound Publications PVT. LTD., Rohtak 124001, 1999.

SCIENTIFIC MONOGRAPHS

1) Estola, Matti & Veli-Matti Hokkanen: Consumer, Firm, and Price Dynamics: An Econophysics Approach. Modeling by Economic Forces. 2008. VDM Verlag Dr. Muller, Saarbrücken, Germany.

2) Estola, Matti: "Kansantaloustieteen perusteet (Principles of Economics)". University of Jyväskylä, Department of Economics and Management, Publications N:o 104/96. (Textbook, pp. 358). (I have translated this into English and currently I'm offering it to a publisher.)

3) Estola, Matti: "Economic Dynamics According to Classical Mechanics". University of Jyväskylä, Jyväskylä Studies in Computer Science, Economics and Statistics, No. 27. 1995. (Ph.D. Dissertation thesis)

4) Estola, Matti: "Kansantaloustieteen metodologiasta (About the Methodology of Economics)". University of Jyväskylä, Department of Economics and Management, Working Paper 147/1994. (Not offered to be published; will possibly be extended to a textbook in the future.)

5) Estola, Matti: "Welfare and Unemployment Effects of Tax Policy in a Unionised Economy". University of Jyväskylä, Department of Economics and Management, Reports from the Department of Economics and Management 12/1989. (Licentiate thesis)

ARTICLES IN CONFERENCE PROCEEDINGS

1) Estola, Matti: "Modeling the Reasons for Firms' Growth". The 5th International Conference on Computing, Communications and Control Technologies: CCCT 2007. Jointly with The 4th International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2007. July 12-15, 2007 - Orlando, Florida, USA.

2) Estola, Matti: "Tax Policy as Open-Loop Control of Firms". International Seminar of Law and Economics, Perm State University, Russia 3-4. 6. 2003.

ARTICLES IN DOMESTIC SCIENTIFIC JOURNALS

1) Estola, Matti: "Miksi taloustiede ei ole progressiivinen tiede?" Tieteessä tapahtuu 6/2009.

2) Estola, Matti: "Kansantalouden tilinpito kiertokulkukaaviona". Kansantaloudellinen Aikauskirja (The Finnish Economic Journal) 2/2005.

3) Estola, Matti: "Reaalitieteiden mallintaminen ja mittayksiköt". Dimensio, 3/2004.

4) Estola, Matti: Kirja-arvostelu teoksesta Seppo Saari: Laatuun perustuva talous, MIDO 2002. Kansantaloudellinen aikauskirja (The Finnish Economic Journal) 4/2002.

5) Estola, Matti: "About the Ethics of Business Competition". Electronic Journal of Business & Organization Ethics, Business and Organization Ethics Network (BON), 1998-02-19.

6) Estola, Matti: "Talouden dynamiikkaa klassisen mekaniikan välinein". Kansantaloudellinen aikauskirja (The Finnish Economic Journal) 1/1996.

7) Estola, Matti: "Kannattaako monopoliyrityksen nostaa hintaa negatiivisen kysyntäshokin vuoksi?" Kansantaloudellinen Aikauskirja (The Finnish Economic Journal) 1/1993, pp. 74-76.

ARTICLES IN DOMESTIC COMPILED BOOKS

1) Estola, Matti & Olavi Dannenberg: "Mitä annettavaa fysiikalla tieteenä on taloustieteelle?" Työ, talous ja yliopisto. Jaakko Pehkonen 50 - vuotta. University of Jyväskylä, School of business and economics, 2010.

2) Estola, Matti: "Kansantaloustieteen tieteenfilosofisista perusteista". An article in the book: Antti Tanskanen 50 vuotta. University of Jyväskylä, Department of Economics and Management, Publications N:o 102/1996.

OTHER PUBLICATIONS

1) Estola, Matti: "A Dynamic Theory of a Consumer". University of Joensuu, Business and Economics, Discussion Papers N:o 38, 2006.

2) Estola, Matti: "Interest Calculation and Dimensional Analysis". University of Joensuu, Business and Economics, Discussion Papers N:o 27, 2005.

3) Estola, Matti and Veli-Matti Hokkanen: "Asset Price Dynamics by Economic Forces". University of Joensuu, Business and Economics, Discussion Papers N:o 26, 2005.

- 4) Estola, Matti and Veli-Matti Hokkanen: "On the Adjustment, Stability, and Growth in Perfect Competition". University of Joensuu, Business and Economics, Discussion Papers N:o 16, 2004
- 5) Estola, Matti: "Modeling Reasons for Firms' Growth". University of Joensuu, Business and Economics, Discussion Papers N:o 8, 2003.
- 6) Estola, Matti: "Tax Policy as an Open-Loop Control of Firms". University of Joensuu, Business and Economics, Discussion Papers N:o 7, 2003.
- 7) Estola, Matti: "About the Adjustment of Exchange Rate, Interest Rate and Price Level". University of Joensuu, Business and Economics, Discussion Papers N:o 6, 2002.
- 8) Estola, Matti: "A Framework for Modelling in Economics: Decision-Making Steelyard". University of Joensuu, Business and Economics, Discussion Papers N:o 5, 2002.
- 9) Estola, Matti: "Cournot-Nash Duopoly à la Newton". University of Joensuu, Business and Economics, Discussion Papers N:o 4, 2002.
- 10) Estola, Matti: "A Dynamic Theory of Exchange Rates". University of Joensuu, Economics Discussion Papers N:o 35, 2001.
- 11) Estola, Matti & Veli-Matti Hokkanen: "On the Dynamics of Asset Prices". University of Jyväskylä, School of Business and Economics, Working Paper N:o 184/1998.
- 12) Estola, Matti: "Interest Rate and the Instantaneous Velocities of Debt and Deposit Capitals as Dimensional Concepts". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 165/97.
- 13) Estola, Matti and Kari Heimonen: "A Dynamic Macro-model for an Open Multi-sector Economy". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 164/96.
- 14) Estola, Matti and Veli-Matti Hokkanen: "On the adjustment of an Industry with Perfect Competition". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 159/1996.
- 15) Estola, Matti: "Dimensional Analysis: a Tool for Economists, An Application to the Interest Rate Parity Theory". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 149/1994. (Not offered to be published; a seminal paper for future research.)
- 16) Estola, Matti: "The Basis for Formal Economics, Part II: "Newtonian Microeconomics" as an Extension to the Neoclassical Micro Theory". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 145/1994.
- 17) Estola, Matti: "The Basis for Formal Economics, Part I: A Measurement System and the Dimensions of Some Basic Concepts". University of

Jyväskylä, Department of Economics and Management, Working Paper N:o 144/1994.

18) Estola, Matti & Veli-Matti Hokkanen: "Price and Production Dynamics According to Classical Mechanics". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 141/1994. (Not offered to be published; a seminal paper for future research.)

19) Estola, Matti: "Measuring Growth and Structural Change of an Economy". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 128/1993.

20) Estola, Matti: "An Analogue Between Production Theory and Classical Mechanics". University of Jyväskylä, Department of Economics and Management, Working Paper N:o 127/1993.