

**CV: MATTI LISKI****Education**

Helsinki School of Economics (HSE): Ms. Sc. 1992, Lic. Sc. 1995, Dr. Sc. 1997.

**Fields of interests**

Energy and Environmental Markets (Q2-Q5, L5, L94, H23), Natural Resources (Q0, E2), Applied Microeconomic Theory (D0-D9), Public Economics (H20-H23, H4), Growth (O13, O4), Industrial Organization (L0, L1)

**Present affiliations**

Helsinki School of Economics: professor, 2007-present

Toulouse School of Economics: visiting professor 2011

Academy of Finland: senior fellow, 2002-2006

MIT Center for Energy and Environmental Policy Research: faculty associate, 2002-present

Nordic Energy Research Program (NER): project leader, 2003-2005;

NER board member in NEECI 2008-2011

University of Helsinki: adjunct professor, department of economics, 2002-present

CESifo-Munich, Climate/Energy network member, 2009-

IPCC Finland, 2007-

**Past affiliations**

Center for Advanced Study at the Norwegian Academy of Science and Letters, 2005-2006

Academy of Finland: post doc 1998-2002

Massachusetts Institute of Technology, Economics Department: Yrjö Jahnsson Fellow, 2001-02

University of California at Berkeley, Department of Agricultural and Resource Economics: visiting graduate student, Fall 1995

**Teaching**

Microeconomics

Principles of economics

Energy, resource, and environmental economics

Dynamic optimization and applications

Teacher of the year 2009, HSE

**Some Publications**

“Strategic resource dependence” (with Reyer Gerlagh), *Journal of Economic Theory*, forthcoming.

“Market power in an exhaustible resource market: The case of storable pollution permits” (with J.-P. Montero), *The Economic Journal*, forthcoming.

Corrigendum to “Forward trading and collusion in oligopoly” [J. Econ. Theory 131 (1) (2006) 212–230] with Ludwig Rössner and Juan-Pablo Montero, *Journal of Economic Theory*, forthcoming.

“Forward Trading and Collusion in Oligopoly” (with J.-P. Montero), *Journal of Economic Theory*, Volume 131, Issue 1, November 2006, Pages 212-230

“On Pollution Permit Banking and Market Power” (with J.-P. Montero), *Journal of Regulatory Economics*, Vol. 29, No.3 (2006)

“Trends and Breaks in per-capita Carbon Dioxide Emissions, 1870-2028” (with Markku Lanne), *The Energy Journal*, Vol. 25, No. 4 (2004).

"Can Carbon Tax Eat Opec's Rents?" (with Olli Tahvonen) *Journal of Environmental Economics and Management* 47, 1-12 (2004).

"Increasing Returns and Cycles in Fishing", (with P. Kort and A. Novak) *Resource and Energy Economics*, 23, 241-258 (2001)

“Taxing Average Emissions to Overcome the Shutdown Problem”, *Journal of Public Economics* 85, 301-455 (2002)

“Thin versus Thick CO2 Market”, *Journal of Environmental Economics and Management* 41, 295-311 (2001)

### **Pending decisions/in Progress**

“Forward trading in exhaustible-resource oligopoly” (with Juan-Pablo Montero), MIT-CEEPR working paper, revisions for *Rand Journal of Economics*

“Public investment as commitment” (with Reyer Gerlagh), CESifo WP 2011.

“Uncertainty and the energy technology transition” (with Pauli Murto), MIT-CEEPR working paper, WP-2010-003

“Incomplete information and exhaustible-resource dependence” (with Reyer Gerlagh), 2009

“Forward trading in exhaustible-resource oligopoly” (with Juan-Pablo Montero), MIT-CEEPR working paper, WP-2008-003

“On Coase and Hotelling” (with Juan-Pablo Montero), MIT-CEEPR working paper, WP-2009-003.

“An empirical model of imperfect dynamic competition and application to hydroelectricity storage” (with Olli Kauppi), MIT-CEEPR working paper, WP-2008-011.

“Backstop Technology Adoption” (with Pauli Murto), 2006

### **Professional Service**

#### Editor

Editor: *Scandinavian Journal of Economics*, 2009-

Associate Editor: *Environmental and Resource Economics*, 2007-2009

Advisory Board member: *Environmental and Resource Economics*, 2010-

Co-editor of *Finnish Economic Papers*, 2003-2007

Guest Editor: Special Issue in *Environmental and Resource Economics*, Vol. 31, No. 2 (2005).  
 Member of the editorial board: *Resource and Energy Economics*, 2007-  
 Member of the editorial board: *Environment and Development Economics*, 2007-

#### Scientific evaluations

European Association for Environmental and Resource Economists: member of the scientific committee for annual meetings in 1999, 2005, 2007, 2008, 2009  
 Econometric Society, European meeting 2008, 2009  
 The Third World Congress of Environmental and Resource Economists 2006  
 Nordic Workshop in Industrial Organization IV in 2005: the program committee  
 The U.S. National Science Foundation: research proposal evaluations (economics)  
 The Norwegian National Science Foundation: research proposal evaluations (economics)

#### Referee reports

Journal of Public Economics, Review of Economic Studies, Econometrica, American Economic Review, Journal of Economic Theory, RAND Journal of Economics, Economic Theory, Journal Environmental Economics and Management, Environmental and Resource Economics, Energy Economics, Scandinavian Journal of Economics, Journal of Economic Behavior and Organization, Journal of Public Economic Theory, Development and Environmental Economics, Journal of Regulatory Economics, Finnish Economic Papers

#### Workshops organized

Instrument Design and Choice in Environmental Regulation, Helsinki School of Economics, October 2002 seminar group coordinator (environmental and resource economics) in Finnish Postgraduate  
 Program in Economics: annual seminars 2003-present  
 Nordic Research Research Program Seminar “Energy and Environmental Markets”, HECER, Aug 2004  
 Nordic Research Program Seminar “Energy and Environmental Markets”, HECER, Aug 2005  
 Co-organizer of the weekly departmental seminar, HECER, 2005-2006  
 Nordic Research Research Program Seminar , HECER, Nov 2008

### **Presentations**

#### Departmental

University of Heidelberg, Spring 2001, Fall 2007  
 MIT economics department, Theory lunch seminar, Fall 2001  
 MIT economics department, Industrial organization seminar, Fall 2001  
 University of Maryland, department of agricultural and resource economics, Fall 2001  
 University of California, Berkeley, department of agricultural and resource economics, Fall 2001  
 University of California, Davis, department of agricultural and resource economics, Fall 2001  
 Harvard University, Kennedy School of Government, Spring 2002  
 University of Quebec and Montreal, department of economics, Spring 2002  
 MIT, Center for Energy and Environmental Policy Research, Spring 2002  
 Erasmus University Rotterdam, Tinbergen Institute, Fall 2002  
 Tilburg University, department of economics, Fall 2002  
 Helsinki Center for Economics Research, applied microeconomics seminar, Fall 2004  
 Catholic University of Chile, department of economics, Fall 2004, Fall 2006, Fall 2007

Helsinki Center for Economics Research, lunch seminar, 2005, 2007, 2009  
 Helsinki Center for Economics Research, applied microeconomics seminar, 2005, 2006, 2008  
 Universite Paris 1, Pantheon-Sorbonne, Spring 2006  
 University of Toulouse, Lerna 2007  
 University of Stirling, Spring 2007  
 Catholic University of Leuven, Fall 2007  
 Zurich ETH, Fall 2009, Fall 2010  
 University of Oslo, Fall 2009  
 Stockholm School of Economics, Fall 2009  
 McGill University 2010  
 Universite Laval 2010

#### Other invited academic presentations

Workshop on Economic Issues in Climate Change, University of Oslo, Fall 1998  
 EURESCO Conference “The International Dimension of Environmental Policy”, Fall 2000,  
 Universidad Complutense de Madrid, IV Complutense International Seminar on European  
 Economy, Spring 2003  
 Workshop at the Center for Advanced Study at the Norwegian Academy of Science and Letters,  
 Fall 2005, Fall 2006, Fall 2007

#### **Other Service**

##### University Administration

Head of the Masters program in economics, HSE  
 HECER Board member

##### Invited presentations at policy meetings

Government Institute for Economic Research: Greenhouse gas policy questions and social-  
 economic research implications for Finland in a national and an international context, Helsinki 1999  
 Ministry of Trade and Industry, Seminar on Kyoto Mechanisms, 1999  
 Ministry of Environment, National Seminar on the EU 6<sup>th</sup> Environmental program, 2000  
 Ministry of Environment, Emissions trading seminar, 1998  
 Figure Conference, Lammi 1999  
 Ministry of Environment, National Climate Seminar, 2003  
 Ministry of Environment, Climate Forum, Fall 2004  
 Ministry of Environment, Climate Forum, Spring 2004  
 Finnish Energy Industries, Seminar on Energy Markets, Fall 2005  
 University of Turku, invitation-only, Seminar on Energy Markets, Fall 2006  
 OP-group research foundation seminar on energy and climate change, 2007  
 Elforsk Market Design, June 2007  
 Finnish Energy Industries, October 2007  
 Swedish Association of Energy Economists, December 2007  
 Ministry of Environment, Seminar on Climate Change, November 2007

##### Government and other consulting

Bureau of Competition: report on the economic effects of resale price maintenance, 1996  
 Ministry of Environment: report on the costs and benefits of climate policies, 2005

Ministry of Environment: report on climate change and uncertainty, 2006  
Ministry of Environment: report on the Stern Review, 2007  
National Technology Agency of Finland: Pomar project, member of the steering group, 2005-07  
National Technology Agency of Finland: SETELI project, member of the research group, 2005-07  
Ministry of Environment: National Noise Reduction Plan, member of the steering group, 2005  
Parliament's Committee for Economic Affairs: served as a testifying expert, stock options, Fortum, October 2005  
LTT Research Ltd: confidential, 2006-2007  
The Market Court: testifying witness, Nov 2007  
Advisory board: Government Foresight Report on Long-term Climate and Energy Policy: Towards a Low-carbon Finland, 2008-2009  
Ministry of Finance: member of the scientific council, 2008-  
Report to Finnish Energy Industries 2009

### **Awards and Grants**

Helsinki School of Economics Foundation: The best doctoral thesis prize 1998  
Student Union of the Helsinki School of Economics: The teacher of the year 2009  
Research Funding: Yrjö Jahnesson Foundation, Alfred Kordelin Foundation, Helsinki School of Economics Foundation, Nordic Energy Research Program