Uskali Mäki November 2012

Director, Academy of Finland Centre of Excellence in the Philosophy of the Social Sciences

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Areas of interest and expertise
Philosophy of science, Philosophy of social sciences, Philosophy of economics, Economic methodology, Models, Explanation, Scientific realism, Interdisciplinarity, Social studies of science, Social ontology, Rhetoric of inquiry.

Education
Master of Social Sciences (Economics, Philosophy, Mathematics, Statistics, Sociology), University of Helsinki 1978; Licentiate of Social Sciences (Economics, Philosophy), University of Helsinki 1985; Studies in economics and in philosophy, New York University, 1985-1986 (NYU Fellowship). Doctor of Social Sciences, University of Helsinki 1990 (Title of the dissertation: "Studies in Realism and Explanation in Economics").

Major academic positions
Academy Professor, Academy of Finland, January 2013-December 2017; Professor of Practical Philosophy, University of Helsinki, August 2012--; Director, Academy of Finland Centre of Excellence in the Philosophy of the Social Sciences, January 2012--; Academy Professor, Academy of Finland, August 2006--2011; Professor of Philosophy, Erasmus University of Rotterdam, 1995-2006; Senior Research Fellow, Academy of Finland, 1991-1994; Senior Lecturer of Economics, University of Helsinki, 1991-1995; Adjunct Professor (Docent) of Economic Methodology and Science Studies, University of Joensuu, 2000-- ; Adjunct Professor (Docent) of the Methodology of Economics and Management Research, Aalto University School of Economics, 1992-- ; Assistant Professor of Economics, University of Helsinki, 1981-1991; Part-time Lecturer of Philosophy, University of Helsinki, 1978-1981

Visiting positions
Université de Paris I – Panthéon-Sorbonne, May 2008 (Visiting Professor); Université de Aix-Marseille III, June 2004 (Visiting Professor); Netherlands Institute for Advanced Study [NIAS], September 2000-June 2001 (Fellow); University of California at Berkeley, January-July 1994 (Research Fellow); Duke University, August 1993-January 1994 (Visiting Scholar); Stanford University, December 1992-January 1993 (Visiting Scholar); University of Uppsala, October 1992 (Visiting Scholar); World Institute for Development Economics Research at the United Nations University, November 1991-April 1993 (Affiliated Scholar); The Swedish Collegium for Advanced Study in the Social Sciences [SCASSS], September 1990-August 1991 (Fellow); The Swedish Collegium for Advanced Study in the Social Sciences [SCASSS], December 1989 (Fellow); Center for Study of Public Choice at George Mason University, May-June 1989 (Visiting Scholar).

Honours
Invited in 2005 for "The Cream of Science" publicity project as a representative of Erasmus University (each Dutch university was invited to nominate ten scientists for participation). http://www.darenet.nl/en/page/keur.view/139.keur

Invited Member of the Finnish Academy of Science and Letters (2009--)

Grants and fellowships

Academy of Finland (Research Grant as Project Leader of Project "Interdisciplinarity and the reshaping of the social sciences - with special attention paid to the role of economics" 2013-2017); Academy of Finland (Research Grant as Project Leader of Project "Models and Simulations in and across the Social Sciences, 2011-2014); Finnish Cultural Foundation (grant for a Workshop in Science on "The Market and Marketization: Models, Mechanisms and Interdisciplinarity, 2009-2012); Academy of Finland (Research Grant as Project Leader of Project "TINT: Trends and Tensions of Intellectual Integration: Intertheoretic and Interdisciplinary Relations in the Social Sciences, with Special Attention to the Role of Economics", 2006-2011; Academy of Finland (Research Grant as Project Leader of Project on "Economics and Intellectual Imperialism", 1/1/2004 - 31/12/2006); National Science Organisation, The Netherlands [NWO] (PhD project on "Meaning, Social Action, and Institutions", 9/2001-8/2005); National Science Organisation, The Netherlands [NWO] (Project on "Unrealistic assumptions: A study in reformulation, rehabilitation, and restraint", 9/2000-6/2001); Academy of Finland (Research Grant as Project Leader of Project on "Economics as a Target and Tool of Science Studies", 1/1/1997 - 31/12/1999); Royal Netherlands Academy of Arts and Sciences [KNAW], 1996, 1998; Trustfond van Erasmus Universiteit Rotterdam, 1995, 1996, 1998, 1999, 2003, 2004; Academy of Finland, 1984, 1985, 1987, 1988, 1989, 1991, 1991-1994 (Research Fellowship), 1995, 1997-1999, 2004-2006; The Yrjö Jahnsson Foundation, 1983, 1985, 1987, 1988, 1990, 1994; British Council, 1994; Urrutia Elejalde Foundation, Spain, 1999; Foundation for Economic Education, 1994; Haas School of Business Administration, University of California at Berkeley, 1994; The Swedish Collegium for Advanced Study in the Social Sciences, 1990-1991; Chancellor of the University of Helsinki, 1989; The Hayek Fund, U.S.A., 1986; The Finnish Cultural Foundation, 1985; Austrian Economics Program at New York University, 1985-1986; The Ministry of Education in Finland, 1983.

Professional Associations and Institutes

- Erasmus Institute for Philosophy and Economics EIPE (Academic Director and Chairman of the Board 1997-2006; Honorary Member 2007-) http://www2.eur.nl/fw/philecon
- European Association for Evolutionary Political Economy EAEPE (Research Area Coordinator 1992-present; Council Member 2011-) http://eaepe.org/
- International Network for Economic Method INEM (Founding member; Area correspondent; Member of the Executive Board 1996-1998, 1999-2001, 2009-2010; Chairperson 2007-2008) http://www.econmethodology.org/inem/index.html
- Helsinki Collegium for Advanced Study (Member of the Academic Advisory Board 2001-2003, Chairperson 2004-2006) http://www.helsinki.fi/collegium/eng/home.htm
- Swedish Collegium for Advanced Study (SCAS) (Member of the Erik Allardt Academic Advisory Board 2009--)
- European Philosophy of Science Association EPSA (Member of the Programme Committee 2007)
- Witten Lectures in Economics and Philosophy, Witten-Herdecke Universität (Member of the International Advisory Committee 2005--) http://www.wittenlectures.org/
- International Congress of Logic, Methodology and Philosophy of Science 2003 (Chairperson of the Committee of Section for the Philosophy of the Social Sciences)
- Helsinki Institute for Science and Technology Studies (Member of the Academic Advisory Board 2004-) http://www.valt.helsinki.fi/blogs/hist/
- The BUES (Budapest University of Economic Sciences) Center for Pluralistic Economic Studies (Member of the Advisory Board 1998-present)
- The Tinbergen Institute (External Research Fellow 1995-2000)
- Academy of Finland (Member of the Expert Advisory Pool, 1998-2001; 2004-2007)
- Finnish Society for Economic Research (Board member 1988-89; Vice Chairman 1989-1990; Chairman 1990-1991)

- Philosophy of Science Association (Member)
- History of Economics Society (Member)
- Society for Science Studies (Member)
- Finnish Philosophical Association (Member)
- Finnish Economic Association (Member)

Editorial Appointments

- *Journal of Economic Methodology* (Editor, 1996-2005; Editorial Board, 1993-1995, 2005--)
- *Economics and Philosophy* (Editorial Board, 1994--)
- *European Journal for Philosophy of Science* (Editorial Board 2009--)
- *Journal of Social Ontology* (Advisory Board, 2009--)
- *Journal of Institutional Economics* (Board of Advisory Editors, 2003--for life)
- *Strategies for Social Inquiry*, Book Series, Cambridge University Press (Editorial Board, 2009--)
- *Philosophy of Sociality*, Book Series, Springer (Advisory Board, 2010--)
- *Erasmus Journal for Philosophy and Economics* (Advisory Board, 2008--)
- *Philosophy and Methodology of Economics* (SSRN journal. Advisory Board, 2010--)
- *Energeia. International Journal of Philosophy and Epistemology of Economics* (Editorial Board, 2001--)
- *Episteme. A Journal in Social Epistemology* (Honorary Founding Editor, 2002--)
- *Journal des Economistes et des Etudes Humaines* (Associate Editor, 2002-2005; Advisory Board, 2009--)
- *Advances in Economic Methodology*, Book Series, Edward Elgar Publishing Ltd. (Editorial Board, 1991-2001)
- *Advances in Austrian Economics*, Research Annual, JAI Press (Advisory Board, 1991--)
- *Finnish Economic Papers* (Associate Editor, 1988-2001)

Reviewing of Manuscripts and Proposals

Journal article submissions: *Erkenntnis, British Journal for the Philosophy of Science, International Studies in the Philosophy of Science; Studies in History and Philosophy of Science; Synthese; Philosophy of the Social Sciences; Biology and Philosophy; Social Epistemology; Rationality and Society; Episteme: A Journal of Social Epistemology; Science Studies; Ethics and Information Technology; Economics and Philosophy; Journal of Economic Methodology; Constitutional Political Economy; Journal of Economic Literature; Economica; Journal of Economic Behavior and Organization; Journal of Institutional and Theoretical Economics; Cambridge Journal of Economics; European Review of Political Economy; Scandinavian Journal of Economics; Metroeconomica; Forum for Social Economics; SERIEs. Journal of the Spanish Economic Association; Journal of Applied Economics; History of Political Economy; Journal of the History of Economic Thought; European Journal of the History of Economic Thought; History of Economic Ideas; Research in the History of Economic Thought and Methodology; Journal of Institutional Economics; Review of Political Economy; Review of Social Economy; Journal des Economistes et des Etudes Humaines; OEconomia. History, Methodology, Philosophy; Finnish Economic Papers; Kansantaloudellinen aikakauskirja.*

Book proposals: Cambridge University Press; Routledge; Edward Elgar Publishing; Michigan University Press; Palgrave Macmillan.

Journal proposals: Kluwer Publishers; Routledge.

Research proposals and job applications or promotion proposals for universities and research institutes: University of Pennsylvania; National Research Foundation, South Africa; University of Birmingham; Universität Frankfurt; University of East Anglia; Keele University; Cambridge University; Universidad Autonoma de Barcelona; Universidad Carlos III de Madrid; Helsinki Collegium for Advanced Studies; The Swedish Collegium for Advanced Study in the Social Sciences; Stockholm University; Helsinki School of Economics; University of Joensuu; University of Helsinki.

Research proposals to foundations and other funding agencies: Swiss National Science

Foundation (FNS - Fonds national suisse de la recherche scientifique); Austrian Science Fund (FWF - Fonds zur Förderung der wissenschaftlichen Forschung); Oesterreichische Nationalbank Jubiläumsfonds; European Science Foundation (Member of a Research Panel, 2010-2014); Fonds Wetenschappelijk Onderzoek – Vlaanderen, Belgium; Economic and Social Research Council, UK; The Leverhulme Trust, UK; Academy of Finland (Member of the Expert Advisory Pool, 1998-2001, 2004-2007); Fundação Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, Ministry of Education, Brazil; Fundação para a Ciência e Tecnologia, Portugal; Urrutia Elejalde Foundation, Spain; Hungarian Ministry of Education; The Royal Netherlands Academy of Arts and Sciences [KNAW]; Netherlands Organisation for Scientific Research [NWO]; The Trustfond of Erasmus University Rotterdam; Netherlands America Commission for Educational Exchange [NACEE]; Konkordia Union; The Yrjö Jahnsson Foundation; The British Council; Kone Foundation; The Tanner Foundation; The Victoria Foundation; Urho and Kaiku Kiukas Foundation; Mikkeli Chamber of Commerce; The Finnish Cultural Foundation; The Emil Aaltonen Foundation; Oskar Öflunds Stiftelse.
Student applications: Berlin School of Mind and Brain; University of Hertfordshire; European University Institute, Florence; Santa Fe Institute; University of Cincinnati; Marquette University; University of St Andrews; Penn State University; University of Bowling Green; Rice University; Michigan State University; New School of Social Research; Stanford University; University of California at San Diego; Princeton University; University of Pittsburgh; Columbia University; Oxford University; Cambridge University; London School of Economics and Political Science.

Papers and Discussions (and Organizational Roles) at Conferences

Annual or Regular Meetings:
Greek Philosophy of Science Association (Athens, December 2012) (invited keynote); World Congress on Logic, Methodology and Philosophy of Science LMPS (Nancy, July 2011) (invited speaker); Philosophy of Science Association PSA (Montreal November 2010); 35th Annual Philosophy of Science Conference (Dubrovnik, April 2008); European Philosophy of Science Association EPSA (Madrid, November 2007 (member of programme committee); Athens 2011); Society for Philosophy of Science in Practice SPSP (Twente, August 2007; Exeter, June 2011); International Academy of the Philosophy of Science (Tenerife, 2005) (invited); World Congress of Logic, Methodology and Philosophy of Science 2003 (Chairman of the Committee of Section for the Philosophy of the Social Sciences); 1991 (session organiser); STOREP (Pollenzo, Italy, June 2007); European Society for the History of Economic Thought (2000 (invited speaker)); World Congress in Philosophy (1998 (invited to organise session devoted to own work)); American Economic Association / Allied Social Science Associations ASSA (1993, 1994, 1995, 1996, 1997, 2002, 2005 (session organiser); 2008 (session organiser); 2009 (session organiser)); History of Economics Society HES (1984, 1985, 1986, 1987, 1988, 1989, 1992, 1996, 1999 (invited to organise a session), 2000); European Association for Evolutionary Political Economy EAEPE (Paris 1992, 1994, 1995 (session organiser), 1996 (session organiser), 1997 (session organiser), 1999 (session organiser), 2000 (session organiser), 2001 (session organiser), 2002 (session organiser), 2004 (session organiser); Crete 2006 (session organiser); Porto 2007 (session organiser); Rome 2008 (session organizer); Amsterdam 2009 (session organizer); Bordeaux 2010 (session organizer); Wien 2011 (session organizer); Krakow 2012 (session organizer); International Network for Economic Method Conference INEM (Vancouver 2000 (session organiser); 2002; 2004 (session organiser); 2005 (session organiser); Madrid 2008 (Chair of Programme Committee); Xalapa 2009 (Chair of Programme Committee; Invited Keynote talk); Helsinki 2011 (Chair of Local Organizing Committee); International Society for New Institutional Economics (1997 (invited); 1998; 2005 (invited)); International Association for Feminist Economics (1998) (invited); International Association of Research in Economic Psychology and Society for the Advancement of Socio-Economics (1991); Finnish Society for Economic Research (1981, 1982, 1983, 1984, 1987, 1989, 1990

(co-organiser), 1991 (co-organiser)); Society for Science Studies (1988); Eastern Economic Association (1986); Die Internationale Gesellschaft für dialektische Philosophie (1984).

Special Purpose Conferences and Symposia:
Dictatorship of Failure: Interdisciplinary Perspectives on the European Political and Economic Crisis (Helsinki 15-16 November 2012) (invited keynote); Workshop on Conceptual Change (Hanasaari, 22-24 August 2012) (invited); Models and Simulations 5 (Helsinki 14-16 June 2012; Chairperson of Organization and Progamme Committees); Foundations of institutional economics (Privas, France, 25-28 May 2012) (invited); The Market and Marketisation (Majvik, 4-5 May 2012) (co-organizer); Biological Markets and Social Dilemmas (Lorentz Centre, Leiden, 15-20 January 2012) (invited); Talous ("The Economy", in Finnish; Helsinki 10-11 January 2012) (invited); Economic Models: Their Nature and Significance (University of East Anglia, 24 September 2011) (invited); The Market and Marketisation (Majvik, 5-6 September 2011) (co-organizer); Sociology of the Social Sciences, 1945-2010 (Copenhagen, 9 June 2011) (invited); Realism in Its Multiple Forms (Helsinki Collegium for Advanced Study, 6-9 June 2011) (invited); Social Science and Sustainable Consumption (Helsinki Collegium for Advanced Study, 27-29 April 2011) (invited); Interdisciplinary Exchange as an Object of the Philosophy of Science (Helsinki 3-4 March 2011; co-organizer); Understanding ("Ymmärrys", in Finnish; Turku, 10-11 January 2011) (invited); The Market and Marketisation (Majvik, 7-8 January 2011) (co-organizer); Economics Made for Fun in the Face of the Economic Crisis (Rotterdam, 10-11 December 2010) (invited); Realism, Symmetry and Performativity (Lund, 1 June 2010) (invited); The Market and Marketisation (Majvik, 9-10 April 2010) (co-organizer); Models, Simulations and the Reduction of Complexity (Hamburg Academy of Sciences, 18-19 March 2010) (invited); Oikeus (Justice and Justification, in Finnish; Helsinki, 7-8 January 2010); Evolution in the Human Sciences (Helsinki, 12-13 November 2009); Limits to Rationality in Economics and Financial Markets: Philosophical Issues (Institute for Advanced Studies, Glasgow 15-16 June, 2009) (invited); Modeling the World: Perspectives from Biology and Economics (Helsinki 28-30 May, 2009) (co-organizer); Models and Fiction (Helsinki Collegium for Advanced Study, 27 May, 2009); Models and Simulations 3 (Charlottesville 6-8 March, 2009; also member of the Programme Committee); Conference on Neuroeconomics: Hype or Hope? (Rotterdam 20-22 November 2008) (invited); Workshop on Scientific Realism and Artistic Inquiry (Helsinki 17 October, 2008); Workshop on Mechanisms and Everyday Reasoning (Hämeenlinna 13 June, 2008); Workshop on Mechanisms and Analytical Sociology (Oxford, 18-19 April 2008) (invited); Models as Credible Worlds and Isolating Tools (Helsinki, 10 March 2008); Conference on Models and Simulations 2 (Tilburg, The Netherlands, 11-13 October 2007); Workshop on Idealizations in Science (Tilburg, The Netherlands, 10 October 2007); Workshop on Economic Models and Policy Relevance (Groningen, The Netherlands, 28 September 2007) (invited); Conference on Mechanisms in the Sciences (Helsinki 30-31 August 2007); Workshop on Models and Fictions (Barcelona, Spain, 2-3 July 2007); TINT Inaugural Conference on Interdisciplinary Relations in the Social and Cognitive Sciences (Helsinki, 15-16 June 2007) (organiser); Conference on Contemporary Issues in Economic Methodology (Morelia, Mexico, March 2007) (invited); Conference on Globalization (Xalapa, Mexico, October 2006) (invited); Conference on the Philosophy of Economics (Birmingham, Alabama, May 2006) (invited); Workshop on Mechanisms (Lund, Sweden, 12-13 December 2005) (invited); Conference on the methodology of social sciences (Turin, Italy, September 2005) (invited keynote speaker); Scientific Understanding (Amsterdam, August 2005); Workshop on Consilience (Academy of Finland, Espoo, August 2005); Workshop on "Economics and Philosophy" (University of Pisa, 1-2 December 2004) (invited); Workshop on "The History and Philosophy of Money (University of British Columbia, Vancouver 12-14 November 2004) (invited); "Forum of Knowledge Research" (Espoo, 11 October 2004) (invited keynote speaker); Conference on "Thought Experiments Rethought" (University of Ghent, September 2004); "The Methodology of Positive Economics: Milton Friedman's Essay at 50" (Erasmus University, 12-13 December 2003 (organiser)); "Experimental methods in economics"

(University of Nottingham, 13-14 September 2003 (invited)); “Theoretical, Empirical and Methodological Inquiry on a Knowledge-Based Innovative Firm with Global Reach” (Helsinki School of Economics, 21-22 August 2003 (invited)); “Scientific Realism and Economic Geography” (Erasmus University of Rotterdam, 23 June 2003) (co-organiser); “Causation and Explanation” (Erasmus University of Rotterdam, 27 April 2003); “Realism” (Erasmus University of Rotterdam, 31 January, 2003); “Causation and Explanation in Natural and Social Sciences” (Ghent University, 15-18 May, 2002); “Development Issues in the New Economy“ (University of Cape Town, South Africa, 25-27 March 2002 (invited)); “Models as Mediating Tools” (University of Helsinki, 4-5 October, 2001 (invited)); “The Legacy of Historicism in Economics” (J.W. Goethe University of Frankfurt, 24-25 November, 2000 (invited)); “Methodological Foundations of Current Microeconomics” (University of Curitiba, Brazil, 16-17 October, 2000 (invited)); “Erasmus Summer School on Social Ontology” (Rotterdam, 9-13 July, 2000) (co-organiser); “Science as a spontaneous order” (Skagen, Denmark, 16-18 January 2000 (invited)); “Theorising and experimentation in economics: Methodological issues” (Rovaniemi, Finland, 20-21- December 1999) (co-organiser); “Values and objectivity in economics” (San Sebastian, Spain, 10-11 December 1999 (invited)); “Symposium on custom in the economy” (Erasmus University, 25 November, 1999) (organizer); “The expansionism of economics in contemporary social science” (University of Joensuu, 19-20 August, 1999) (co-organiser); “Issues in theoretical isolation” (University of Helsinki, 7 June, 1999) (co-organiser); “Progress in the Study of Evolution“ (University of Ancona, Italy, 20-22 May, 1999 (invited)); “Realism in economics” (University of Helsinki, 22 December, 1998) (co-organiser); “Spontaneous orders” (Copenhagen Business School, 2-3 November 1998 (invited)); “The method of isolation in economics” (University of Joensuu, 2-3 August, 1998) (co-organiser); “The Scope of Economic Theory” (Erasmus University Rotterdam, 13 March, 1998) (co-organiser); “Rhetoric and Economics” (University of Helsinki, 22 December, 1997) (co-organiser); “Fact or Fiction? Perspectives on Realism and Economics” (Erasmus University Rotterdam, 14-15 November, 1997) (co-organiser); “The present and future of the new institutional economics” (St Louis, USA, 19-21 September, 1997 (invited)); “Aristotle and contemporary science” (Aristotle University of Thessaloniki, Greece, 1-4 September, 1997); “Current perspectives on science studies” (University of Joensuu, 11 August, 1997) (co-organiser); "Economics as a science: What's the payoff?" (Erasmus University Rotterdam, 5 June, 1997) (co-organiser); "The Need for a New Economics of Science" (University of Notre Dame, U.S.A., 13-16 March 1997 (invited)); "The Nature of Economics: Case Studies in Economic Methodology" (International Economic Association Conference, Bergamo, Italy, June 1996) (co-organiser);"Models as Mediators in the Practice of Economic Science" (Amsterdam, 18-19 March 1996); "Keynes, Knowledge and Uncertainty" (Leeds, England, 16-17 March 1996 (invited)); "Humanism with a Real Face: Conversations with Hilary Putnam" (Rotterdam, 20 November 1995); "Languages of Science" (Bologna, Italy, 25-27 October 1995 (invited)); "FPPE [Finnish Postgraduate Program in Economics] Workshop on the Methodology of Economics" (2-3 June 1995) (organiser); "FPPE Workshop on the Methodology of Economics" (January 1995) (organiser); "New Perspectives on Realism in Economics" (Amsterdam, Holland, September 1994 (invited)); International Workshop on the Methodology of Economics (Cambridge, England, September 1994); "Transaction Cost Economics and Beyond" (Rotterdam, Holland, June 1994 (invited)); "Pluralism in Economics" (Bergamo, Italy, May 1994 (invited)); "Economics and Philosophy" (Elon College, U.S.A., September 1993 (invited)); NDPE [Nordic Doctoral Program in Economics] Workshop in the Methodology of Economics (Solvalla, June 1993) (organiser); EIASM [European Institute for Advanced Study in Management] Workshop on "Accounting, Accountability and the New European Public Sector" (Helsinki, September, 1992); Nordic Conference on "The Archaeologist and His/Her Reality" (Helsinki, September 1992 (invited)); "FPPE Workshop on the Methodology of Economics" (Siuntio, Finland, August 1992) (organiser); "Realism and Anti-Realism in Science" (Beijing, China, June 1992); "FPPE Workshop on the Methodology of Economics" (Helsinki, Finland, January 1992) (organiser); "FPPE Workshop on the Methodology of Economics" (Joensuu, Finland, August

1991) (organiser); "Problems of Idealisation in Economics" (Tilburg, The Netherlands, July 1991 (invited)); "Realism, Rhetoric and Postmodernism" (Friibergh, Sweden, June 1991); "Workshop on the History and Methodology of Economics" (Bergamo, Italy, May 1991); "The New Rhetoric and Discourse Analysis: The Case of Economics" (Birmingham, U.K., April 1991 (invited)); "Economic Discourse and Critical Methodology" (Joensuu, November 1990); "Predisciplinary Social Sciences" (Uppsala, Sweden, September 1990; "Current Research in the Philosophy of Economics" (Helsinki, May 1990) (organiser); "Theory and History in Management Research" (Mustio, April 1990); "The Methodology of Carl Menger" (London, January 1990); "Transitions in Recent Economics: Studies in Rival Research Programmes" (Capri, Italy, October 1989 (invited)); "The State and Prospects of Economic Methodology" (Helsinki, August 1989) (organiser); "Methodological Foundations of Neoinstitutionalist Economics" (Uppsala, Sweden, August 1989) (co-organiser); "Conceptions of Human Action" (George Mason University, May 1989 (invited)); "Carl Menger and His Legacy in Economics" (Duke University, April 1989 (invited)); "Quels Fondements Epistemologiques pour la Connaissance Economique?" (Mons, Belgium, December 1987 (invited)); "Interpretation in Economics" (Boston, June 1987 (invited)); "Firms and Society" (Espoo, August 1984); "The Philosophies of Our Century" (Lammi, April 1984); "Methodology in Management and Business Research" (Espoo, August 1983); "Science and Progress" (Helsinki, April 1981).

Seminars and Invited Lectures

University of Bayreuth (February 2013); University of Vienna (29 March 2012); Higher School of Economics, Moscow (7 and 8 April, 2011); University of Buenos Aires (6 and 8 October 2010); HECER, University of Helsinki (22 January 2010); Finnish Academy of Science and Letters (14 September, 2009); Annual Meeting on Social Gerontology, University of Helsinki (2 December 2008); University of Buenos Aires (2-3 October 2008); Austral University, Buenos Aires (31 September 2008); Cambridge University, UK (3 March 2008); University of Helsinki, Centre of Environmental Research (31 October 2007); UNAM, Mexico City (28 March and 29 March, 2007); Invited Address on the occasion of Spiro Latsis's Honorary Doctorate at the University of Witten/Herdecke, Germany, 11 November 2006); University of Morelia, Mexico (October 2006); University of Veracruz at Xalapa, Mexico (October 2006); University of Warsaw, Poland: "Five Lectures on Economic Methodology" (2-6 October 2006); Manchester University (April 2006); Lund University (March 2006); Freiburg University (June 2005); University of Tampere (April 2005); University of Athens (November 2004); University of Veracruz at Xalapa, Mexico: lectures on "Models, assumptions, explanations" (5-9 July 2004); Université de Aix-Marseille III, June 2004; University of Amsterdam (November 2003); Universidad Autonoma de Madrid (May 2003); Bank of Austria, Vienna (lecture and moderation of workshop discussions on truth in economics, 18 October 2002); State University Higher School of Economics, Moscow (four lectures on the philosophy of economics, 21-25 May, 2002); Norwegian School of Economics, Bergen (16 April, 2002); University of Helsinki, Department of Sociology (30 November, 2001); Ludwig-Maximilian-Universität München (17-18 July, 2001); University of Paris I Sorbonne-Pantheon (June 2001); Tilburg University (9 November, 2000); Université Federal du Rio de Janeiro, Brazil (20 October, 2000); Universidade de São Paulo, Brazil (18 October, 2000); University of Lund, Sweden (2 October, 2000); University of Veracruz at Xalapa, Mexico: "What drives and persuades economists: Seven Lectures in the Philosophy of Economics" (14-24 June 2000); University of Helsinki, Department of Philosophy (4 May, 2000); Max Planck Institute (Jena, Germany, 8 February, 2000); Summer School on the Philosophy of Economics (San Sebastian, Spain, 22-28 July, 1999); Utrecht University (May 1999); European Forum Seminar on "Science, Pseudo-Science, and Anti-Science", six sessions taught jointly with Alan Musgrave (Alpbach, Austria; August 1998); High Council of Scientific Research of Spain (keynote speech at a workshop in the research programme on "Science and Values" in Madrid; May 1998); University of Groningen; Budapest University of Economic Sciences (three lectures; December 1997); University of

Amsterdam (1995); Tinbergen Institute; University of California at Riverside (two seminars, April 1994); University of California at Davis (May 1994); Université du Québec á Montréal (November 1993); Karl-Franzens-Universität Graz (two lectures, February 1993); Simon Fraser University (January 1993); University of California at Berkeley (Department of Geography, January 1993); Department of Economics, April 1994 and May 1994); Stanford University (January 1993); State University of California at Fresno (one day of lectures, January 1993); Shanghai Tongji University (June 1992); Hong Kong Institute of Economic Science (June 1992); World Institute for Development Economics Research (May 1992); New York University (November 1985, March 1986); Duke University (Department of Economics, April 1986, November 1993; Department of Philosophy, December 1993); University of Stockholm (April 1991); University of Uppsala (Departments of Economics; Philosophy; Sociology; Geography; 1990-1991); The Swedish Collegium for Advanced Study in the Social Sciences (1990-1991); The Philosophical Society of Uppsala (1991); Consumer Research Centre; Tampere University of Technology; Helsinki School of Economics (Departments of Accounting; Management; Methods; the Post-Graduate Program); University of Helsinki (Department of Philosophy; Faculty of Agriculture and Forestry); University of Tampere; University of Oulu; University of Joensuu.

Supervising and examining

Erasmus University of Rotterdam, Departments of Philosophy and Economics:
Thesis examination and supervision (1998 -). 12 PhD theses supervised of which completed by 2008: Jorma Sappinen, Gülbahar Tezel, Frank Hindriks, Caterina Marchionni, Ana Santos, Roberta Muramatsu, Aki Lehtinen
Ongoing supervision: Luis Mireles Flores, Clemens Hirsch, Susana Graca, Job Daemen
Membership in PhD examination committees (in addition to those supervised):
Peter Sas, Elma van de Mortel, J. van Oosterhout, Emrah Aydinonat, Alessandro Lanteri, and more

University of Helsinki, Department of Philosophy:
Public examination of a PhD thesis as opponent: Petri Ylikoski (2001); Jakke Holvas (2009)
Supervision of PhD thesis by Alessandra Basso (2012-); Matti Heinonen (2012-)

London school of Economics, Department of Philosophy
Member of examination committee of PhD thesis by Roberto Fumagalli (2011)

University of Geneva, Department of Philosophy
Member of examination committee of PhD thesis by Emma Tieffenbach (2011)

Groningen University:
Thesis supervision (2001-2007) and member of examination committee
Menno Rol, *Conceptual Progress in Economics. Abstraction of Social Kinds versus Idealization*

University of Ghent, Belgium
Pre-examination of PhD thesis by Rogier De Langhe (2010)

Universidad Autonoma de Madrid, Spain:
Public examination of a PhD thesis as committee member (2003): David Teira

Louvain-la-Neuve, Belgium:
Public examination of PhD thesis as committee member (January 2006)
Christian Arnsperger

University of Cape Town, South Africa:

External examiner of a dissertation (June 2002)

University of Mannheim, Germany:
PhD thesis supervision (1999-2000)

Lund University, Sweden
Public examination of a dissertation as sole opponent (March 2006): Fredrik Hansen
Public examination of a dissertation as sole opponent (October 2000)

University of Auckland, New Zealand:
External examiner of a PhD thesis (1997).

University of Joensuu, Finland:
PhD thesis supervision. Public examination (with Robert Sugden) of a PhD thesis (1997).
Timo Tammi

Lappeenranta University of Technology, Finland:
External examiner of a PhD thesis (1995).
Kalevi Kyläheiko

The Finnish Postgraduate Program in Economics:
Coordinator of the Workshop on Economic Methodology, including thesis supervision (1990--)

The Nordic Postgraduate Program in Economics:
Coordinator of the Workshop on Economic Methodology, including thesis supervision (1992--)

The Tinbergen Institute, The Netherlands: Supervision of PhD theses.

The Swedish School of Economics: Thesis supervision.

University of Helsinki, Department of Economics: Thesis supervision.

Helsinki School of Economics: Thesis supervision.

Teaching experience

Erasmus University of Rotterdam, Department of Philosophy:
Theories of Truth and Truth of Theories (1997, 1998, 2000, 2002; 2003; 2006); The Words of Science (jointly with Deirdre McCloskey, 1996); Recent Developments in the Philosophy of Science (1996); Scientific Realism and the Social Sciences (1996, 1997); Social Ontology (1998, 1999, 2000, 2004 (jointly with Frank Hindriks)); Scientific Explanation (1999, 2001, 2002, 2004); Social Constructivism (2003); Unity and Disunity: Metaphysical and Scientific (2005); Scientific Realism (2005).

Erasmus University of Rotterdam, PhD Programme in Philosophy and Economics:
Advanced Philosophy and Methodology of Economics (1997, 1998, 1999, twice in 2001, 2003, 2004, 2005, 2006)

University of Warsaw, Poland:
Lectures on Economic Methodology (15 hrs, October 2006).

Beidaihe, China. Training Programme for Centres of European Studies in China. Lectures on the methodology of science (16 hrs, October 2005).

Université de Aix-Marseille III, Aix-en-Provence, France. Lectures on the Philosophy of Economics (June 2004).

State University Higher School of Economics, Moscow, Russia
Lectures on the Philosophy of Economics (16 hrs, May 2002; 16 hrs, May 2003);

University of Veracruz at Xalapa, Mexico:
"What drives and persuades economists: Lectures in the Philosophy of Economics" (21 hrs, June 2000); "Models, assumptions, explanations" (20 hours, July 2004).

Summer School of the Basque University, on "Economics at the End of the Millennium: Pondering Progress", San Sebastian (July 1999)

The Tinbergen Institute, The Netherlands:
Lectures on "The economics of institutions and the institutions of economics" (1994); Course on Advanced Philosophy of Economics (1997)

University of Helsinki, Department of Economics:
Introductory Microeconomics (1982); Introductory Macroeconomics (1982); History of Economic Thought (1983, 1984, 1987, 1988); Methodology of Economics (1980, 1982, 1983, 1984, 1985, 1987, 1988, 1989).

University of Helsinki, Department of Philosophy:
Introduction to the Philosophy of Science (Spring 2012; Autumn 2012); Philosophy of Economics (Spring 2011) (joint with Jaakko Kuorikoski and Aki Lehtinen); Interdisciplinary Encounters (Spring 2007); Introduction to Scientific Method (1978, 1979, 1980); Advanced Course in the Philosophy of Science (1978, 1979, 1980).

Aalto University School of Economics:
Philosophy of Economics (2011) (joint with Jaakko Kuorikoski and Aki Lehtinen); Postgraduate Course on the Methodology of the Social Sciences (1979, 1980, 1981, 1982, 1983, 1984, 1986, 1987, 1988, 1990, 1992, 1993); Course on Methodology of Economics (1980); Course on Philosophy of Science for Economists and Business Students (1982).

Summer University of Helsinki:
Course on Methodology of the Social Sciences (1977, 1978, 1979, 1980, 1981, 1982).

University of Joensuu:
Course on Methodology of Economics (1984, 1985, 1988).

University of Vaasa:
Course on Philosophy of Science (1983); Postgraduate course on the theory of science for students in business studies (1992).

University of Tampere:
Course on Methodology of Economics (1984).

University of Oulu:
Postgraduate course on the theory of science (1991).

University of Lapland:
Postgraduate course on the theory of science for social scientists (1992).

Helsinki Nursing School:
Lectures on the methodology of scientific inquiry (1984).

Aleksanteri Institute, University of Helsinki:
Lectures on Philosophy of Science in an interdisciplinary PhD Programme (1998)

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Books and edited works

Published

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Scientific Realism and Disciplinary Diversity: Perspectives from the Social Sciences

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"Keskustelu Milton Friedmanin metodologiasta: opetuksia ja ongelmia" ["The discussion on Friedman's methodology: Results and problems", in Finnish], *Taloustieteellisen seuran vuosikirja* 1983/84, pp. 237-251.

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"Vaihingerian realism" presented at the PSA meetings, Montreal 4-6 November 2010.

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"Biological markets and issues of interdisciplinarity" (presented in 2011)

"Varieties of interdisciplinarity and of scientific progress"

"Economics does not perform markets: Cleaning cluttered concepts"

"On the ontology of money" [presented at a workshop on The History and Philosophy of Money, University of British Columbia, Vancouver 2004; at EIPE seminar 2005]

"Modelling the past. Computer graphics and other images in archaeology" (presented in 2010)

"Mechanism with and without process" [presented at a conference on Causation and Explanation, University of Ghent 2002; at a workshop on mechanisms, Lund University, 2005; and at conference on Mechanisms in the Sciences, Helsinki, August 2007]

"Recent accounts of economics imperialism" (presented in 2011)

"Economics imperialism and scenarios of scientific progress" [presented 2005, 2006, 2007]

"Vying with Vaihingerian fictionalism: Rival readings of the world's first economic model"

"Ceteris paribus: Interpretations and Implications" [versions presented at the American Economic Association Meeting in Washington DC, January 1995; at the Tinbergen Institute, November 1995; at the University of Munich, July 2001]

"Scientific realism faced with the social in science: Formulations and frontlines"

"Scientific realism and the invisible hand" [presented in Madrid in 2008]

"Modelling as experimentation: The case of economics" [Presented at conference on Thought Experiments, University of Ghent, 2004]

"Deglobalizing the rhetoric of economics" [version presented at a symposium on "Economics as a Science" at Erasmus University Rotetrdam, 6 June, 1997]

"The Market and its rhetoric". [Versions presented at the EIASM [European Institute for Advanced Study in Management] Workshop on "Accounting, Accountability and the New European Public Sector", Helsinki, September 1992; University of Helsinki, March 2010]

"Economic methodology as a slowly progressing fragmented adhocracy" [Versions presented at the American Economic Association Meeting in Boston, January 1994; ESHET 2000 in Graz, February 2000; INEM conference in Vancouver, June 2000]

"How far is Chicago from Frankfurt? Persuasion, marketing, and ethics" [Together with Jack Vromen; version presented at the Annual Conference of the European Association for Evolutionary political Economy, Antwerp, November 1996]

“Should economists abstain from prediction?”

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"Vaihinger on fictions in science", in *Semi-Ramistic Studies*, Department of Philosophy, University of Helsinki, 1980.

"How does scientific realism manage as a metatheory of management research?", in *Methodology of Management and Business Research*. Helsinki School of Economics, 1983. Pp. 257-264.

"Metodologisen ajattelun juonteita suomalaisessa kansantaloustieteessä" ["Streams of methodological thought in the history of Finnish economics", in Finnish], in *Sata vuotta suomalaista kansantaloustiedettä* [One Hundred Years of Finnish Economics], ed. H. Koskenkylä et al. Vammala: Kansantaloudellinen Yhdistys 1984. Pp. 109-140.

"Tieteellinen realismi ja marxismi" ["Scientific realism and marxism", in Finnish], in *Vuosisatamme filosofia* [The Philosophy of Our Century], ed. Ilkka Niiniluoto and Esa Saarinen. Porvoo: Werner Söderström 1984. Pp. 78-116.

"Wissenschaftliche Realismus: Kontroversen und Konvergenzen" ["Scientific realism: Controversies and convergencies", in German], in *Realismus und Dialektik*, ed. H.-J. Sandkühler and J. Manninen. Pahl-Rugenstein, Cologne 1984. Pp. 53-59.

"Issues in redescribing business firms", in *Problems in the Redescription of Business Enterprises*. Helsinki School of Economics, 1985. Pp. 121-129.

"Explanation as redescription", in *Vom Werden des Wissens*, ed. H. Holz and J. Manninen. Pahl-Rugenstein, Cologne 1987. Pp. 109-115.

"Taloustieteen metodologia" ["The methodology of economics", in Finnish], in *Tutkimus kehityksen tukena*, Helsinki School of Economics, 1988. Pp. 60-81.

"Talouspolitiikan retoriikka" ["The rhetoric of economic policy", in Finnish, co-authored by Juhana Vartiainen], in *On se niin väärin*. Tutkijaliitto, 1989. Pp. 78-94.

"Practical syllogism, entrepreneurship, and the invisible hand: A critique of the analytic hermeneutics of G.H. von Wright", in *Economics and Hermeneutics,* edited by Don Lavoie. Routledge, 1991. Pp. 149-176.

"Comment on Hands", in *Appraising Economic Theories: Studies in the Methodology of Research Programmes*, edited by Neil de Marchi and Mark Blaug. Aldershot: Edward Elgar, 1991. Pp. 85-90

"Social conditioning of economics", in *Post-Popperian Methodology of Economics*, edited by Neil de Marchi. Kluwer Publishers, 1992. Pp. 65-104.

"The market as an isolated causal process: A metaphysical ground for realism", in *Austrian Economics: Tensions and New Developments*, edited by Bruce Caldwell and Stephan Boehm. Kluwer Publishers, 1992. Pp. 35-59.

"Two philosophies of the rhetoric of economics", in *Economics and Language,* edited by Willie Henderson, Tony Dudley-Evans, and Roger Backhouse. London: Routledge, 1993. Pp. 23-50.

"Economics with institutions: Agenda for methodological inquiry", in *Rationality, Institutions and Economic Methodology,* edited by Uskali Mäki, Bo Gustafsson and Christian Knudsen. London: Routledge, 1993. Pp. 3-42.

"Social theories of science and the fate of institutionalism in economics", in *Rationality, Institutions and Economic Methodology*, edited by Uskali Mäki, Bo Gustafsson and Christian Knudsen. London: Routledge, 1993. Pp. 76-109.

"Reorienting the assumptions issue", in *New Directions in Economic Methodology*, edited by Roger Backhouse. London: Routledge, 1994. Pp. 236-256.

"Scientific realism and some peculiarities of economics", in *Realism and Anti-Realism in the Philosophy of Science*, ed. R.S. Cohen et al. Boston Studies in the Philosophy of Science, Vol. 169. Dordrecht: Kluwer 1996, 425-445.

"The one world and the many theories", in *Pluralism in Economics*, edited by Andrea Salanti and Ernesto Screpanti. Cheltenham: Edward Elgar, 1997. Pp. 37-47.
Reprinted in *A Modern Reader in Institutional and Evolutionary Economics: Key Concepts*, edited by Geoffrey Hodgson. Cheltenham: Edward Elgar 2002. Pp. 124-135.

"The problem of social Coase: Between regulation and free market in economic methodology", in *Coasean Economics*, edited by Steven Medema. Boston: Kluwer, 1998. Pp. 249-269.

"Introduction" (co-authored with Daniel Hausman), in *Economics and Methodology. Crossing the Boundaries,* edited by Roger Backhouse, Daniel Hausman, Uskali Mäki, and Andrea Salanti. Macmillan, 1998. Pp. xv-xxi.

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