

Publications

Rauli Svento, 27.9.2018

A Refereed scientific articles

- Linnér, R. K., Biroli, P., ..., Svento, R., ..., Koellinger, P., Beauchamp, J. P. (2018). GWAS of risk tolerance and risky behaviors in over one million individuals identify hundreds of loci and reveal shared genetic influences. *Nature Genetics* (NG-A48107R2).
- Ramzi, N. H., Yiorkas, A. M., Sebert, S., Keinänen-Kiukaanniemi, S., Ala-Mursula, L., Svento, R., Jokelainen, J., Veijola, J., Auvinen, J., Miettunen, J., Dovey, T. M., Järvelin M.R., Blakemore, A. I. F. (2018). Relationship between BMI and emotion-handling capacity in an adult Finnish population: the Northern Finland Birth Cohort 1966. *PLOS ONE*.
- Sheremet, O., Ruokamo, E., Juutinen, A., Svento, R., Hanley, N. (2018). Incentivising Participation and Spatial Coordination in Payment for Ecosystem Service Schemes: Forest Disease Control Programs in Finland. *Ecological Economics*. Vol. 152.
- Krishnamurthy, C. K. B., Vesterberg, M., Böök, H., Lindfors, A. V., Svento, R. (2018). Real-Time Pricing Revisited: Demand Flexibility in the Presence of Micro-Generation. *Energy Policy* (Forthcoming).
- Kangasrääsio, S., Korhonen, M., Svento, R. (2018). Do people adapt to climate change? Evidence from the developed countries. *International Journal of Climate Change Strategies and Management*. <https://doi.org/10.1108/IJCCSM-05-2017-0119>.
- Kuhnlenz, F., Nardelli, P.H.J., Karhinen, S., Svento, R. (2018). Implementing flexible demand: Real-time price vs. market integration. *Energy*, 149, 550-565.
- Kangasrääsio, S., Korhonen, M., Svento, R. (2017). Do people adapt to climate change? Evidence from the developed countries. *Proceedings of the 29th International Academic Conference, Rome*, 05 - 08 April.
- Koski, H., Svento, R. (2016). Complementarity of firms' innovation strategies: knowledge search, in-house R&D and external R&D acquisition. *International Journal of Technology Transfer and Commercialisation*. Vol. 14, No 2.
- Aysu Okbay, Bart M L Baselmans, Jan-Emmanuel De Neve, Patrick Turley, Michel G Nivard, ... Svento, R., ... , Beauchamp JP, Koellinger PD, Benjamin DJ, Bartels, M, Cesarini D (2016). Genetic variants associated with subjective well-being, depressive symptoms, and neuroticism identified through genome-wide analyses. *Nature Genetics*, 48, 624-633.
- Simonen, J., Svento, R. McCann, P. (2016). The regional and sectoral mobility of high-tech

- workers: insights from Finland. *Annals of Regional Science*, Volume 56, Issue 2, pp 341–368.
- Simonen, J., Koivumäki, T., Seppänen, V., Sohlo, S., Svento, R. (2016). What happened to the growth? – The case of the ICT industry in Oulu, Finland. *Int. J. Entrepreneurship and Small Business*, Vol.29, No.2, pp.287 – 308.
- Simonen, J., Svento, R., Juutinen, A. (2015). Specialization and diversity as drivers of economic growth: Evidence from high-tech industries. *Papers in Regional Science*, Volume 94, Issue 2, Pages: 229–247.
- Conlin, A., Kyröläinen, P., Kaakinen, M., Järvelin, M.-R., Perttunen, J. Svento, R. (2015). Personality traits and stock market participation. *Journal of Empirical Finance*, Volume 33, September 2015, Pages 34-50.
- Koivumäki, T., Seppänen, V., Simonen, J., Sohlo, S., Svento, R. (2014). What happened to the growth? – The case of ICT industry in different regions of Finland. *Geography of Growth - The Frequency, Nature and Consequences of Entrepreneurship and Innovation in Regions of Varying Density. Revised papers presented at the 17th Uddevalla Symposium 2014*, 12-14 June, Uddevalla Sweden Research reports 2014:2, University West, Editor: Iréne Bernhard.
- Kopsakangas-Savolainen, M., Svento, R. (2014) Hydropower production profiles: impacts on capacity structure, emissions and windfall profits. *Journal of Energy*, vol. 2014, Article ID 710414, 12 pages, 2014. doi:10.1155/2014/710414.
- Kopsakangas-Savolainen, M., Svento, R. (2013) Economic value approach to intermittent power generation in the Nordic power markets. *Energy and Environment Research*, Vol. 3, No. 2, Dec.
- Kopsakangas-Savolainen, M., Svento, R. (2013). Promotion of market access for renewable energy, *Environmental and Resource Economics*, Vol. 54(4): 549-569, DOI: 10.1007/s10640-012-9605-z.
- Rietveld, C. A., Medland, S.E., Derringer, J., ..., Svento, R., ..., Benjamin, D.J., Cesarini, D., Koellinger, P.D. (2013). GWAS of 126,559 individuals identifies genetic variants associated with educational attainment. *Science*. Volume: 340 Issue: 6139 Pages: 1467-1471 DOI: 10.1126/science.1235488.
- van der Loos MJHM, Rietveld CA, Eklund N, Koellinger PD, ..., Svento, R., ..., Boomsma, D.I., Cesarini, D., Thurik, R.A. (2013). The Molecular Genetic Architecture of Self-Employment. *PLOS ONE* 8(4): e60542. doi:10.1371/journal.pone.0060542.
- Tolvanen, A., Juutinen, A., Svento, R. (2013). Preferences of local people for the use of peatlands: The case of peatland-richest region in Finland. *Ecology and society*, Vol. 18(2):19.
- Caló, A., Juuso, E., Svento, R., Pongrácz, E. (2012). Smart Energy Networks in the Northern Periphery: Development of an End-User Oriented Profiled Hybrid Micro-Grid Simulator.

Proceedings Mathmod 2012 Vienna, February 14-17, 2012, Vienna University of Technology. Full Papers. F. Breitenecker; I. Troch. Argesim report S38. Vienna, Argesim. 1-6. <http://seth.asc.tuwien.ac.at/proc12>

- Kopsakangas-Savolainen, M., Svento, R. (2012). Real-Time Pricing in the Nordic Power Markets. *Energy Economics*, Vol 34, Issue 4. pp. 1131-1142.
- Juutinen, A., Mitani, Y., Mäntymaa, E., Shoji, Y., Siikamäki, P., Svento, R. (2012). Modeling observed and unobserved heterogeneity in choice experiments. *Environmental Economics*, Vol. 3 Issue 2, 57-65.
- Juutinen, A., Mitani, Y., Mäntymaa, E., Shoji, Y., Siikamäki, P., Svento, R. (2011). Combining ecological and economic aspects in national park management: a choice experiment application, *Ecological Economics*, 70. 1231-1239.
- Kopsakangas-Savolainen, M., Svento, R. (2011). Observed and unobserved heterogeneity in stochastic frontier models. *Energy Economics*, Vol. 33, Issue 2. pp. 304-310.
- Kopsakangas-Savolainen, M., Svento, R. (2010). Comparing welfare effects of different regulation schemes: an application to the electricity distribution industry. *Energy Policy*, Vol. 38, 7370-7399, 2010.
- Kopsakangas-Savolainen, M., Svento, R. (2010). Estimation of cost-effectiveness of the Finnish Electricity Utilities. *Energy Economics*, Volume 30, Issue 2, 212-229.
- Juutinen, A., Mäntymaa, E., Mönkkönen, M., Svento, R. (2009) Participation and Compensation Claims in Voluntary Forest Conservation: A Case of Privately owned forests in Finland. *Forest Policy and Economics* 11, Issue 7, 498-507.
- Juutinen, A., Mäntymaa, E., Mönkkönen, M., Svento, R. (2008) Voluntary Agreements in Protecting Privately owned Forests in Finland - To Buy or to Lease? *Forest Policy and Economics* 10, Issue 4, 230-239.
- Koivumäki, T., Svento, R. (2007) Development of Strategic Business Network for Local Travel Industry, *International Journal of Services Technology and Management*, Vol. 8, Nos 2/3, 207 - 223.
- Mäntymaa, E., Juutinen, A., Matinaho, S., Mönkkönen, M., Svento, R. (2006). Compensation claims in voluntary forest conservation: A case of private owned forests in Finland. In: Sun Joseph Chang & Mike A. Dunn (eds.) *Forestry: Economics and Environment. Proceedings of the Southern Forest Economics Workshop 2005*, April 18-20, 2005, Baton Rouge, Louisiana, USA, pp. 44-56.

- Karjaluoto, H., Pakola, J., Pietiä, M., Svento, R. (2003) An Exploratory Study on Antecedents and Consequences of Mobile Phone Usage in Finland, *AMA Summer Marketing Educators' Conference Proceedings* Vol. 14, Chicago, USA.
- Koivumäki, T., Svento, R., Perttunen, J., Oinas-Kukkonen, H. (2002) Consumer Choice behavior and electronic shopping systems – a theoretical note, *Netnomics* 4: 131-144.
- Mäntymaa, E., Svento, R. (2000) A Generalized Test for Vagueness in Hypothetical Markets, *Journal of Forest Economics*, 6:2,109-130.
- Lotvonen, S., Juuso, E., Koivumäki, T., Svento, R. (1998) Tuning of linguistic equation investment models with genetic algorithms. *Proceedings of 6th European Congress on Intelligent Techniques and Soft Computing*, Aachen Germany, Vol. 3. Hrsg. H-J. Zimmermann. 1606 - 1610.
- Svento, R. (1998) On the Asymmetry of the Vagueness Band in Willingness to pay Answers, *Environmental and Resource Economics* 14, 151-163.
- Tervonen, J., Alasaarela, E., Svento, R. (1994) Household water quality and consumer welfare: An application to the City of Oulu, *Aqua Fennica*, 24,1.
- Svento, R. (1993) Some notes on trichotomous choice discrete valuation, *Environmental & Resource Economics*, 3: 553-543.
- Kasanen, P., Svento, R. (1989) Ympäristöhyötyjen arvottaminen ja mittaaminen - valikoiva kirjallisuuskatsaus, *Terra*, 101:3.
- Svento, R. (1987) Changes in the pattern of personal consumption expenditures and their effects on the structure of production, employment and imports in Finland in 1960-2000. *Economic Bulletin for Europe* 39, United Nations Economic Commission for Europe, Pergamon Press Inc. New York, pp. 303-331.
- Svento, R. (1983) The income block of the Finnish long range model system. International Institute for Applied Systems Analysis, *Collaborative Proceedings Series*, CP 83 S2, pp. 173 192.
- Forssell, O., Mäenpää, I., Svento, R. (1983) The Finnish long range model system (FMS). International Institute for Applied Systems Analysis, *Collaborative Proceedings Series*, CP 83 S2, pp. 151 172.

B Non-refereed scientific publications

- Juuso, A.-M., Svento, R. (2108). Tietoturvainvestoinnit ja uhkatiedon jakaminen taloustieteellisestä näkökulmasta. *Kansantaloudellinen aikakauskirja 2*.
- Herala, J., Simonen, J., Svento, R. (2017) Oulun seutu äkillisen rakennemuutoksen alueena. *Kansantaloudellinen aikakauskirja 2*.
- Kopsakangas-Savolainen, M., Svento, R. (2014) Sähkömarkkinoiden sääntelystä ja sääntelymuotojen hyvinvointivaikutuksista. *Kansantaloudellinen aikakauskirja 2*.
- Huuki, H., Kopsakangas-Savolainen, M., Svento, R. (2014) Reaaliaikaisen hinnoittelun vaikutuksista pohjoismaisilla sähkömarkkinoilla. *Kansantaloudellinen aikakauskirja 2*.
- Svento, R. (2012) Verkostoalustat taloustieteen opetuksessa. *Kansantaloudellinen aikakauskirja 3/2012*.
- Juutinen, A., Mäntymaa, E., Mönkkönen, M., Svento, R. (2006) Luonnonarvokaupan kustannustehokkuus ja maan vuokraamisen edullisuus yhteiskunnalle. Teoksessa Horne, P.-Koskela, T. Kuusinen, M. Otsamo, A. Syrjänen, K. Metson jäljillä. Etelä-Suomen metsien monimuotoisuusohjelman tutkimusraportti.
- Mäntymaa, E., Juutinen, A., Matinaho, S., Mönkkönen, M., Svento, R. (2006) Palkkiovaati-muksiin vaikuttavat tekijät vapaaehtoisessa metsien suojelussa: Tuloksia Satakunnan luonnonarvokaupan kokeilusta. Teoksessa Horne, P., Koskela, T., Kuusinen, M., Otsamo, A., Syrjänen, K. Metson jäljillä. Etelä-Suomen metsien monimuotoisuusohjelman tutkimusraportti.
- Svento, R. (2002) Oulun kehityksen ajureita. *Talous & Yhteiskunta 4/2002*.
- Koski, H., Svento, R. (1995) Kaukopuheluiden hintakilpailu - laiskat kuluttajat vai ylivoimainen hintaviidakko, *Kansantaloudellinen Aikakauskirja 3/95*.
- Svento, R. (1994) Welfare measurement under uncertainty. In Pethig, R: (ed.) Valuing the environment, methodological and measurement issues, Kluwer Academic Publishers.
- Heiskanen, H., Svento, R. (1992) Valtion säästötoimenpiteiden kohdentamisesta, *Kansantaloudellinen Aikakauskirja 3/92*.
- Svento, R. (1991) Kulutusfunktio tutkimuksen nykytila ja kehitysnäkymät, *Kansantaloudellinen Aikakauskirja 1/91*.
- Mäntymaa, E., Svento, R. (1991) Economic valuation of environmental benefits and losses. In Tahvonen, O. (ed.) *Environment, economy, welfare*, Teknillistieteelliset Akatemiati 1991:1, Gummerrus, Jyväskylä.

Kasanen, E., Svento, R. (1988): Arvoristiriidan taloudellista analyysia. Teoksessa Malaska, P. Kantola, I. Kasanen, P.: Energiapolitiikan arvoristiriidat, *Publications of the Turku School of Economics*, Series A 1:1989.

C Scientific monographs

Kopsakangas-Savolainen, M., Svento, R. (2012). *Modern Energy Markets*. Springer, London.

Pakola, J., Pietilä, M., and Svento, R. (2002). The diffusion of mobile telecommunications in Finland. Faculty of Economics and Industrial Management, University of Oulu, Research Reports No. 46.

Kuusipalo, J., Pakola, J., Svento, R. (2001) Economic Effects of Mobile Telecommunications in Finland, Ministry of Transport and Communications Finland, Publications 4/2001.

Erkkilä, J., Simonen, J., Svento, R. (2000) Regional Effects of High-Tech Industries in Finland, Oulun yliopiston taloustieteiden tiedekunnan tutkimuksia No. 42, Oulu.

Svento, R. (1991) Liikennepolttoaineiden hinnankorotusten kansantaloudelliset seurannaisvaikutukset, Liiketaloustieteellinen tutkimuslaitos B74.

Svento, R. (1990) Tutkimus kulutusfunktion tulokäsitteestä, Department of Economics, University of Oulu research reports No. 34, Oulu.

Forssell, O., Svento, R. (1990) Matkailuinvestointien kansantaloudelliset ja julkistaloudelliset vaikutukset, Liiketaloustieteellinen tutkimuslaitos B 64.

Kasanen, P., Svento, R. (1989) Survey of the recent literature on the valuation of environmental goods, University of Oulu, Department of Economics, Research reports No. 31, Oulu.

Forssell, O., Mäenpää, I., Svento, R. (1989) Tieinvestointien lisäyksen kansantaloudellisista vaikutuksista, Liiketaloustieteellinen tutkimuslaitos B 54.

Svento, R., Männistö, J., Mäenpää, I. (1987): Economic prospects for energy supply and demand in Finland (in Finnish). Department of Economics, University of Oulu, Research Reports No. 30.

Svento, R. (1981): Menojärjestelmän ominaisuuksista ja estimoinnista. Department of Economics, University of Oulu, Research Reports No. 19.

Mäenpää, I., Svento, R. (1975) Pohjois-Suomeen kohdistuva yhteiskuntatieteellinen tutkimustoiminta: Nykytila ja kehittäminen, Oulun yliopiston kansantaloustieteen laitoksen julkaisuja No 7.

D Chapters in refereed books

Simonen J., Svento R., Karhinen S., McCann P. (2018) Inter-regional and Inter-sectoral Labour Mobility and the Industry Life Cycle: A Panel Data Analysis of Finnish High Technology Sector.

In: Biagi B., Faggian A., Rajbhandari I., Venhorst V. (eds) New Frontiers in Interregional Migration Research. Advances in Spatial Science (The Regional Science Series). Springer, Cham

E Professional publications

Svento, R. (2017) Promoottorin loppusanat, DOCTORUM PROMOTIONES QVAS FACILITATES VNIVERSITATIS OVLEVENSI INSTITVENT, Oulun yliopiston kymmenes tohtori-promootio.

Svento, R. (2001) Rural Area Development With Advanced Technology: Conclusions and Recommendations. RADWAT Final Report 2000-2001.