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EDUCATION

Ph.D. (Econ.), Lappeenranta University of Technology, Finland
M.Sc. (Econ.), Lappeenranta University of Technology, Finland

PROFESSIONAL EXPERIENCE

2019 - Present, *Economist*, Compass Lexecon, Helsinki
2018 - 2019, *Visiting Researcher*, VATT Institute for Economic Research, Helsinki
2016 - 2018, *Postdoctoral Research Fellow*, The Economic and Social Research Institute (ESRI), Dublin

SELECTED CONSULTING EXPERIENCE

- Baltic Transmission System Operators (2020)
Several studies related to the reliability standard and security of supply, including developing methodologies for the assessment of value of lost load, cost of new entry, and loss of load expectation, as required by the revised Clean Energy Package.
- French utility (2019)
Worked on European decarbonization pathway scenarios until 2050 with detailed focus on deployment of clean technologies, new business models, and the underlying costs.
- Energy Authority of Finland (2017)
Provided analysis of the functioning of the wholesale electricity markets on the Finnish bidding zone borders.
- Nordic Energy Regulators (2016)
Developed methods for evaluation of the Nordic forward market for electricity, in response to the Network Code on Forward Capacity Allocation (FCA).

PUBLICATIONS

Academic Peer Reviewed Journal Publications

Is flexible and dispatchable generation capacity rewarded in electricity futures markets? A multinational impact analysis, with V. Bertsch, *Energy*, 196, April 2020.

Forward risk premia in the long-term transmission rights: the case of electricity area price differentials (EPAD) in the Nordic electricity market, with M. Collan, *Utilities Policy*, 50, pp 194-206, 2018.

On Long-term Transmission Rights in the Nordic Electricity Markets, with M. Collan and M. Makkonen, *Energies*, 10(3), pp 1-19, 2017.

Institutional Entrepreneurship in Transforming Energy Systems Towards Sustainability: Wind Energy in Finland and India, with S. Jolly and R. Raven, *Energy Research & Social Science*, 17, pp 102-118, May 2016.

Diffusion and Drivers of Smart Meters: The Case of Central and Eastern Europe, with A Jantunen and S Viljainen, *International Journal of Innovation and Technology Management*, 11(03), 2014

Risks in small electricity markets: the experience of Finland in winter 2012, with S. Viljainen et al., *The Electricity Journal*, 25(10), pp 71-80, 2012.

Academic Peer Reviewed Conference Publications

The Profitability of Energy Storage in European Electricity Markets, with V Bertsch and M Devine, 15th International Conference on the European Energy Market (EEM), 2018.

Harnessing electricity retail tariffs to support climate change policy, with L Ryan, et al., The 6th World Congress of Environmental and Resource Economists (WCERE), 2018.

Determinants of power hedging mechanisms in liberalized electricity markets, with V Bertsch, 14th International Conference on the European Energy Market (EEM), 2017.

Long-term Transmission Rights in the Nordic Electricity Markets: TSOs Perspectives, with S. Honkapuro and M Makkonen. 13th International Conference on the European Energy Market (EEM), 2016.

Participation of Interconnected Capacity in Balancing Markets: Benefits and Practical Steps, with O Gore and S Viljainen, 13th International Conference on the European Energy Market (EEM), 2016.

Informational Efficiency on the Nordic Electricity Market – the Case of European Price Area Differentials (EPAD), 12th International Conference on the European Energy Market (EEM), 2015.

Area Price Spreads in the Nordic Electricity Market: The Role of Transmission Lines and Electricity Import Dependency, with A Jantunen, S Viljainen and M Makkonen. 10th International Conference on the European Energy Market (EEM), 2013.

Economic Impacts of Price Spreads in the Nordic Electricity Markets, with M Makkonen and S Viljainen, 10th International Conference on the European Energy Market (EEM), 2013.

Institutional Analysis of Wind Power in Finland, with S Viljainen. 9th International Conference on the European Energy Market (EEM), 2012.

Working Papers

The Relevance of Wholesale Electricity Market Places: The Nordic Case, with K Ollikka and S Honkapuro, VATT Working Papers 126, 2019.

The Profitability of Energy Storage in European Electricity Markets, with V Bertsch and M Devine, ESRI Working Paper 605, 2018.

Determinants of power spreads in electricity futures markets: A multinational analysis, with V Bertsch, ESRI Working Paper 580, 2017.

The Efficiency of Contracts for Differences (CfDs) in the Nordic Electricity Market, with N Chernenko and M Nilsson, Energy Industry at a Crossroads: Preparing the Low Carbon Future (Tiger Forum 2014), Toulouse: IDEI, 2014.

Professional Publications

Calculations for the Evaluation of the Functioning of the Wholesale Electricity Markets on the Finnish Bidding Zone Borders as Required in the FCA GL, Energy Authority of Finland, 2017.

Methods for evaluation of the Nordic forward market for electricity, with J Bjørndalen et al., NordReg, 2016.

Examining the Markets for Nordic Electricity Price Area Differentials (EPAD) – Focus on Finland, with M Collan and S Viljainen, LUT Scientific and Expertise Publications – Reports No. 51, ISBN 978-952-265-775-6, 2015.



TECHNICAL SKILLS

- Statistical Packages
Proficient in Stata
Experience in Plexos, Matlab and Eviews

LANGUAGE SKILLS

- Czech – Native
- Finnish – Fluent
- English – Fluent
- Russian – Basic