

Curriculum Vitae

Carsten Croonenbroeck

Personal

Date of birth 01/15/1980 in Bonn
Marital status Single
Citizenship German
Languages German and English

Office address

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Academic education

2015 *Dr. rer. pol. in Economics* at the European University Viadrina. Grade: Summa cum laude. Title: “Econometric Modeling and Forecasting of Wind Power Production in the Presence of two-sided Censoring and Unobserved Heterogeneity”. Supervisor: Prof. Dr. Georg Stadtmann. Reviewers: Prof. Dr. Georg Stadtmann (European University Viadrina), Prof. Dr. Christian Dreger (DIW Berlin).

2009 *Diploma in Economics* at Cologne University (Dipl.-Vw.).

Occupational career

2017–Now	Stand-in professor for agricultural economics at the University of Rostock.
2015–2017	Post-Doc at the professorship for agricultural economics at the University of Rostock.
2010–2015	Research assistant at European University Viadrina in Frankfurt (Oder).
2009–2010	Practical training at Allianz ABV AG in Krefeld, Germany.
2004–2007	Econometrics tutorials at University Bonn with Prof. Dr. Jörg Breitung.
2001–2003	Commercial Education at POLYSALE GmbH in Wesseling, Germany.

Research interests

Theoretical and applied econometrics, time series analysis, structural econometrics of auction data, energy economics, environmental economics and economics of sustainable resource allocations.

List of Publications

Refereed

- Croonenbroeck, Carsten and Ambach, Daniel: “Structural Breaks in the Forward Premium”, *The Empirical Economics Letters*, 2017, 16(7), pp. 707-718.
- Croonenbroeck, Carsten and Hüttel, Silke: “Quantifying the Economic Efficiency Impact of Inaccurate Renewable Energy Price Forecasts”, *Energy*, 2017, 134, pp. 767-774.
- Schwarze, Reimund and Croonenbroeck, Carsten: “Economies of Integrated Risk Management? An Empirical Analysis of the Swiss Public Insurance Approach to Natural Hazard Prevention”, *Economics of Disasters and Climate Change*, 2017, 1(2), pp. 167-178.
- Ziel, Florian and Croonenbroeck, Carsten and Ambach, Daniel: “Forecasting Wind Speed and Wind Power – Modeling Periodic and Non-Linear Effects Under Conditional Heteroscedasticity”, *Applied Energy*, 2016, 177, pp. 285-297.

- Ambach, Daniel and Croonenbroeck, Carsten: “Space-time Short- to Medium-Term Wind Speed Forecasting”, *Statistical Methods and Applications*, 2016, 25(1), pp. 5-20.
- Hüttel, Silke and Wildermann, Lutz and Croonenbroeck, Carsten: “How Do Institutional Market Players Matter in Farmland Pricing?”, *Land Use Policy*, 2016, 59, pp. 154-167.
- Croonenbroeck, Carsten and Slevcek, Pasqual: “Economic Feasibility of Renewable Energy CSOPs – An Application to Wind Power”, *International Journal of Ecological Economics and Statistics*, 2016, 37(4), pp. 1-10.
- Croonenbroeck, Carsten: “Renewable Energy CSOPs – An Updated Analysis for Wind Power Applications”, *Journal of Economic Development*, 2016, 41(4), pp. 101-113.
- Croonenbroeck, Carsten and Ambach, Daniel: “Censored Spatial Wind Power Prediction with Random Effects”, *Renewable and Sustainable Energy Reviews*, 2015, 51, pp. 613-622.
- Croonenbroeck, Carsten and Stadtmann, Georg: “Minimizing Asymmetric Loss in Medium-Term Wind Power Forecasting”, *Renewable Energy*, 2015, 81, pp. 197-208.
- Croonenbroeck, Carsten and Ambach, Daniel: “A Selection of Time Series Models for Short- to Medium-Term Wind Power Forecasting”, *Journal of Wind Engineering and Industrial Aerodynamics*, 2015, 136, pp. 201-210.
- Ambach, Daniel and Croonenbroeck, Carsten: “Obtaining Superior Wind Power Predictions from a Periodic and Heteroscedastic Wind Power Prediction Tool”, *Springer Proceedings in Mathematics and Statistics*, 2015, 122, pp. 276-283.
- Croonenbroeck, Carsten and Monaco, Fabrizio Leonardo and Christensen, Mads Julius: “Does Danish Football Club Brøndby Swim With the Fishes? An Application of the Reversed News Model”, *Journal of Sports Economics*, 2015, 16(4), pp. 425-433.
- Croonenbroeck, Carsten and Ambach, Daniel: “An Implementation of the Mycielski Algorithm as a Predictor in R”, *Journal of Fundamentals of Renewable Energy and Applications*, 2015, 6(1), pp. 1-6.
- Croonenbroeck, Carsten and Dahl, Christian: “Accurate Medium-Term Wind Power Forecasting in a Censored Classification Framework”, *Energy*, 2014, 73, pp. 221-232.
- Croonenbroeck, Carsten and Matkovskyy, Roman: “Demand for Investment Advice over Time: The Disposition Effect Revisited”, *Applied Financial Economics*, 2014, 24(4), pp. 235-240.

- Croonenbroeck, Carsten: “Local Entropy Based Image Reconstruction”, *International Journal of Economics and Management Engineering*, 2013, 3(4), pp. 137-141.
- Croonenbroeck, Carsten: “Evaluating Phillips Curve Based Inflation Forecasts in Europe: A Note”, *Credit and Capital Markets*, 2013, 46(1), pp. 79-93.

Non-refereed

- Glaser, Lina and Croonenbroeck, Carsten: “Vision Smart Market – Analyse und Perspektiven der Transformation des deutschen Energiemarkts”, *ew – Magazin für die Energiewirtschaft*, 2016, 2/3, pp. 20-23 and 22-24.
- Miczulski, Wieslaw and Sobolewski, Lukasz and Croonenbroeck, Carsten: “Neural Model of a Wind Turbine”, *XXI IMEKO World Congress*, 2015, Prague, Czech Republic.
- Donath, Christian and Croonenbroeck, Carsten: “Der deutsche Atomausstieg – Auswirkungen auf den Energiepreis und Energiemix”, *ew – Magazin für die Energiewirtschaft*, 2013, 11, pp. 22-28.
- Croonenbroeck, Carsten and Dahl, Christian: “Econometric Forecasting of Wind Power Production” in: “Fuelling the Future: Advances in Science and Technologies for Energy Generation, Transmission and Storage”, BrownWalker Press, Boca Raton, Florida, USA, pp. 346-350, 2012.

Teaching articles, book contributions and others

- Dreger, Christian and Kosfeld, Reinhold and Eckey, Hans-Friedrich: “Ökonometrie”, 2014, 5th issue, Springer (several contributions).
- Rülke, Jan-Christoph and Stadtmann, Georg and Croonenbroeck, Carsten: “Optimale Strategien bei Auktionen”, *WISU*, 2013, 42, pp. 314-315.
- Croonenbroeck, Carsten and Stadtmann, Georg and Rülke, Jan-Christoph: “Prinzipal-Agenten-Konflikt mit Kreditbeschränkung”, *WISU*, 2013, 5, pp. 652-653.
- Croonenbroeck, Carsten and Stadtmann, Georg and Grimpe, Christoph: “Der Shakeout im Industrielbenszyklus”, *WISU*, 2013, 5, pp. 693-698.

Third-party funds applications

BMBF 2012	“Forschungskooperation Ostseeanrainerstaaten Viadrina” NOE 11/061, 34,000 € granted.
BMBF 2014	“Photovoltaikindustrie - Handwerk - Endkunde”, in conjunction with GFWW, 60,000 € granted.
VCGS 2015	“Grants for conferences, meetings, symposia, and workshops for doctoral students and postdocs”, 4,500 € granted.
BMWi 2017	“Prognosen in Praxis und Forschung: Evaluierung und Weiterentwicklung von Methoden zur Fundamental- und Preisprognose regenerativer Energie (EMPIriE)”, 750,000 €, in evaluation.

Teaching portfolio – Page 1

Semester	University	Course	Language	Degree program	Contact hours
WS 2004/2005	Bonn	Econometrics	German	Diploma Economics	2
WS 2005/2006	Bonn	Econometrics	German	Diploma Economics	2
WS 2006/2007	Bonn	Econometrics	German	Diploma Economics	2
WS 2010/2011	Viadrina	Applied economic theory	German	Bachelor Economics	2
WS 2010/2011	Viadrina	Doctorate seminar	German	Ph.D. Economics	2
SS 2011	Viadrina	Econometrics	German	Bachelor Economics	2
SS 2011	Viadrina	Macroeconomics	German	Bachelor Economics	2
SS 2011	Viadrina	Macroeconomics	English	Bachelor Economics	2
SS 2011	Viadrina	Using the software Stata	German	Bachelor Economics	2
WS 2011/2012	Viadrina	Macroeconomics 2	German	Bachelor Economics	2
WS 2011/2012	Viadrina	Applied economic theory	German	Bachelor Economics	2
WS 2011/2012	Viadrina	Foundations of International Macroeconomics	English	Master Economics	2
SS 2012	Viadrina	Econometrics	German	Bachelor Economics	2
SS 2012	Viadrina	Macroeconomics	German	Bachelor Economics	2
SS 2012	Viadrina	Macroeconomics	English	Bachelor Economics	2
WS 2012/2013	Viadrina	New macroeconomic thinking	English	Master Economics	2
WS 2012/2013	Viadrina	Applied econometrics with R	German	Master Economics	2
WS 2012/2013	Viadrina	Seminar on renewable energy	German	Bachelor Economics	2
SS 2013	Viadrina	Econometrics	German	Bachelor Economics	2
SS 2013	Viadrina	Applied econometrics with R	German	Bachelor Economics	2
SS 2013	Viadrina	Macroeconomics	German	Bachelor Economics	2
WS 2013/2014	Viadrina	Applied Econometrics	German	Bachelor Economics	2
WS 2013/2014	Viadrina	Applied economic theory	German	Bachelor Economics	2
SS 2014	Viadrina	Econometrics	German	Bachelor Economics	4
SS 2014	Viadrina	Using the software Stata	German	Bachelor Economics	2
WS 2014/2015	Viadrina	Macroeconomics	German	Bachelor Economics	2

Teaching portfolio – Page 2

Semester	University	Course	Language	Degree program	Contact hours
WS 2014/2015	Viadrina	Macroeconomics 2	German	Bachelor Economics	2
SS 2015	Viadrina	Econometrics	German	Bachelor Economics	2
SS 2015	Viadrina	Seminar on renewable energy	German	Bachelor Economics	2
SS 2015	VWA	Micro- and macroeconomics	German	Bachelor Business Administration	2
WS 2015/2016	Rostock	Business budgeting in agricultural firms	German	Bachelor Agricultural science	2
WS 2015/2016	Rostock	Economic analysis in crop production and stock breeding	German	Master Agricultural science	4
WS 2015/2016	Kiel, Bonn	Advanced applied econometrics	English	Ph.D. Agricultural economics	–
SS 2016	Rostock	Market theory, taxes and law	German	Master Agricultural science	2
SS 2016	Rostock	Using the software R	German	Bachelor Agricultural science	2
WS 2016/2017	Rostock	Business budgeting in agricultural firms	German	Bachelor Agricultural science	2
WS 2016/2017	Rostock	Economic analysis in crop production and stock breeding	German	Master Agricultural science	4
WS 2016/2017	Kiel, Bonn	Advanced applied econometrics	English	Ph.D. Agricultural economics	–
WS 2016/2017	Rostock	Scientific and experimental work	German	Bachelor Agricultural science	1
SS 2017	Rostock	Market theory, taxes and law	German	Master Agricultural science	2
SS 2017	Rostock	Using the software R	German	Bachelor Agricultural science	2
WS 2017/2018	Rostock	Economic analysis in crop production and stock breeding	German	Master Agricultural science	3
WS 2017/2018	Rostock	Business budgeting in agricultural firms	German	Bachelor Agricultural science	4
WS 2017/2018	Rostock	Legal and economic fundamentals	German	Bachelor Environmental Engineering	1
WS 2017/2018	Rostock	Scientific and experimental work	German	Bachelor Agricultural science	1

Research trips

2011	University of Southern Denmark, Odense
2012	CREATES, Aarhus University
2013	University of Southern Denmark, Odense

Reviewer

Energy Economics

Applied Energy

Energy

International Economics and Economic Policy

Journal of Wind Engineering and Industrial Aerodynamics

Journal of Applied Statistics

Applied Economics

Socio-Economic Review

Energy Conversion and Management

Journal of Sports Economics

Energies

Journal of Computational Methods in Sciences and Engineering

Advances in Automobile Engineering

Applied Sciences

Selected conferences

- 2012 The Energy and Materials Research Conference, Spain. Presentation: *Econometric Forecasting of Wind Power Production*
- 2013 Asia Pacific Clean Energy – Summit and Expo, Hawaii, USA. Presentation: *Econometric Forecasting of Wind Power Production*
- 2014 World Finance and Banking Symposium, Singapore. Presentation: *The United States Shutdown – An Economic Powerhouse in Debt’s Stranglehold?*
- 2015 International Renewable Energy Agency (IRENA), Abu Dhabi. Presentation: *Minimizing Asymmetric Loss in Medium-Term Wind Power Forecasting*
- 2017 Joint Seminar of the European Association of Law and Economics and The Geneva Association, Iceland. Presentation: *Economies of Integrated Risk Management? An Empirical Analysis of the Swiss Public Insurance Approach to Natural Hazard Prevention*

References

For reference, contact

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E-Mail: geo@sam.sdu.dk,
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Web: http://www.diw.de/de/diw_01.c.1664.de/ueber_uns/menschen_am_diw_berlin/dreger_christian.html

Prof. Dr. Reimund Schwarze, Helmholtz-Zentrum für
Umweltforschung, Permoser Straße 15, 04318 Leipzig,
GERMANY, Phone: +49 341 235 1607,
E-Mail: reimund.schwarze@ufz.de,
Web: <https://www.ufz.de/index.php?de=38865>

Miscellaneous

Member of DStatG (Deutsche Statistische Gesellschaft –
German Statistical Society)

Member of the Social Policy Society (Verein für Socialpoli-
tik)

German Association of University Professors and Lectur-
ers (Deutscher Hochschulverband)

Rostock, December 19, 2017