

Prof. Dr. Claudius Gräbner-Radkowitsch

Curriculum Vitae

Personal information

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| Name: | Dr. Claudius Gräbner-Radkowitsch, né Gräbner |
| Address: | Europa-University Flensburg Munketoft 3b, Room MAD 218 24943 Flensburg, Germany |
| Phone: | +49 (0) 461 805 2512 |
| Email: | claudius@claudius-graebner.com |
| Homepage | www.claudius-graebner.com |
| Date of birth: | 21.02.1989 in Hanau (Germany) |

Memberships in academic associations

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|----------------|---|
| AEA | American Economic Association |
| AFEE | Association for Evolutionary Economics |
| CCS | Complex Systems Society |
| EAEPE | European Association for Evolutionary Political Economy |
| ASEER (GS*ÖBW) | Association for Socioeconomic Education and Research |
| NEEC (NOEBB) | Network for Economic Education and Consulting |
| NPÖ | Network for Pluralism in Economics |
| GEA (VfS) | German Economic Association (Verein für Socialpolitik) |
| | Ordinary member and member of the Evolutionary Economics Working Groups |
| WINIR | World Interdisciplinary Network for Institutional Research |

Academic work experience

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|-----------------------------|---|
| Since October 2021 | Ass. Professor for Pluralist Economics (W1, with Tenure Track) Europa-University Flensburg, DE |
| April 2019 – September 2021 | Research associate (Post-Doc) Institute for Socioeconomics, Universität Duisburg-Essen, DE |
| April 2018 – June 2018 | Guest researcher ZOE. Institute for Future-Economies |
| Since November 2017 | Research fellow ZOE. Institute for Future-Economies |
| Since April 2017 | Research associate Institute for Comprehensive Analysis of the Economy (ICAE) Johannes Kepler Universität Linz, AT |
| August 2013 – October 2016 | Research assistant Universität Bremen, DE |

A full list of my given lectures and publications are listed in the separated documents below and on my academic homepage.

Education

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|------------------------------|---|
| February 2020 | Professional Education und Supervision „Leadership in academic projects“ <i>Kürmayr Consulting, Linz</i> |
| April 2014 – June 2016 | PhD studies in economics <i>Universität Bremen, DE</i> Grade: <i>summa cum laude</i> |
| 2014 – 2016 (summer term) | Santa Fe Institute , Santa Fe, Neu Mexico, USA <i>Graduate Workshop for Computational Social Sciences</i> <i>Workshop on Complexity in the Social Sciences</i> <i>Complex Systems Summer School</i> |
| September 2009 - August 2012 | Social Sciences, Law and Economics, Bachelor of Arts <i>University of Erfurt, DE</i> Final grade: 1.2 |
| Mai 2011 - January 2012 | Education as tour guide <i>City of Gelnhausen, DE</i> |
| August 2000 – June 2008 | Grimmelshausen Gymnasium , Gelnhausen, DE A-levels, final grade: 1,6 |

Third-party funded research projects

| Name | Grand awarding body | Grant | Time |
|--|--|-------------------------|-------------------------------------|
| International competitiveness: a multi-level assessment of Austria and other European countries | Austrian National Bank (OeNB, AUT) | 107.000 EUR | 01.01.2020 – 31.12.2021 (24 months) |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | National Institute of Economic and Social Research (NIESR, UK) | 75.000 GBP | 01.03.2019 – 30.10.2020 (18 months) |
| Spatial Competition and Economic Policies (SPACE) | Austrian Science Fund (FWF, AUT) | 2.465.827 EUR (4 Co-PI) | 01.04.2019 – 31.03.2023 (48 months) |

More information on my research grants and third-party funding activities is provided via in a separate document below.

Awards und grants (selection)

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|-----------------|---|
| 2020 | Kapp Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> Best-paper award for papers that have been published in 2020. |
| 2018 | Herbert Simon Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> Best-paper award for young researchers |
| 2016 | Young Scholar Award for Pluralistic Economic Research <i>Witten Institute for Institutional Change</i> Award for the best young economist working from a pluralist perspective |
| 2016 | Segnitz-Prize <i>Department of Economics (Bremen) and Segnitz Foundation</i> Best PhD thesis in economics and business studies |
| 2012, 2014-2016 | Student and PhD scholarship <i>German Academic Scholarship Foundation (Studienstiftung)</i> |
| 2015 | PROMOS Stipendium <i>DAAD (German Academic Exchange Service)</i> |
| 2009 | Erwin-Sichmann Medaille <i>Track and field association MKK</i> Award for the best track and field athlete. |

IT and language skills

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| Python, R, TeX | Advanced | Deutsch | Mother tongue |
| MS Office | Very good | English | Business fluent |
| Stata, Linux Bash | Good | Spanish | Fluent |
| HTML, Mathematica, SQL | Basic | Portuguese | Basic knowledge |
| | | Latin | Latinum |

Work experience

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| November 2013 – March 2014 | Consultant for “Water supply and waste management in Latin America and the Caribbean” KfW Development Bank, Frankfurt a.M., DE |
| September 2009 - August 2012 | Local coordinator (Central America) Weltweite Initiative für Soziales Engagement, Bad Elster, DE, Central America |
| May 2011 - January 2012 | Studentische Hilfskraft Chair for International Law, European Law and European Integration, University of Erfurt, DE |
| August 2009 | Centro de Derechos Humanos Fray Bartolomé de las Casas (FRAYBA), Chiapas, MX <i>Human Rights Observer</i> |
| August 2008 – September 2009 | MELEL Xojobal, Chiapas, MX <i>International Voluntary Service</i> |

Academic engagement

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| Since October 2020 | European Association for Evolutionary Political Economy <i>Research area co-coordinator “Knowledge, Networks & Regions”</i> |
| August 2020 – March 2021 | University Duisburg-Essen <i>W2-appointment committee “Empirical Inequality Research”</i> |
| January 2020 – September 2021 | University Duisburg-Essen <i>Board member of the Institute for Socioeconomics</i> |
| April 2019 – September 2021 | University Duisburg-Essen Member of the examination board (‘Prüfungsausschuss’) of the study program in ‘Socioeconomics’ |
| Since October 2018 | Network for Economic Education and Consulting e.V. <i>Founding member and council member</i> |
| Since February 2018 | Institute for the Comprehensive Analysis of the Economy (ICAE) <i>Leader of the Research area „Plural Economics“</i> |
| Since January 2016 | German Academic Scholarship Foundation (‘Studienstiftung’) <i>Selection panel und educational lectures</i> |
| December 2015 – June 2016 | Universität Bremen <i>Member of the appointment committee W2 Macroeconomics</i> |
| Since March 2011 | Network for Pluralism in Economics e.V. <i>Workshops, Lectures, cash auditor (2017), among others.</i> |
| December 2010 – August 2012 | Impuls. Für eine neue Wirtschaft <i>Founding member of the group, which was dedicated to more pluralism in the teaching of economics.</i> |
| October 2009 - March 2011 | campusgrün, Erfurt, DE <i>Active member.</i> |

Activities as reviewer

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| Guest editor | Forum for Social Economics, International Journal of Computational Economics and Econometrics, Games |
| Reviewer for journals | Cambridge Journal of Regions, Economy and Society, Computational Economics, Complexity, Eastern European Economics, Economics of Innovation and New Technology, European Journal of Philosophy of Science, Forum for Social Economics (FSE), International Journal of Technology Intelligence and Planning (IJTIP), International Journal of Computational Economics and Econometrics (IJCEE), Journal of Artificial Societies and Social Simulation (JASSS), Journal of Common Market Studies (JCMS), Journal of Economic Methodology, Journal of Evolutionary Economics, Journal of Economic Issues, Journal of Institutional Economics (JoIE), Momentum Quarterly, Perspectives on Science, Review of Evolutionary Political Economy (REPE), Review of Social Economy (RoSE), Review of Keynesian Economics (ROKE), Social Science Information (SSI), Socio-Economic Review, Structural Change and Economic Dynamics, Synthese |
| Reviewer for institutions | German Federal Ministry for Education and Research (BMBF) |

A full list of my keynotes, lectures, and. organized events is provided through the document on “Lecturing activities”. Information about my teaching portfolio is summarized in the document “Teaching portfolio”. A full list of my publications can be found in the publication list below and my academic homepage.

Date: November 2021

List of publications

Peer-reviewed journal articles

- C. Gräbner** and A. Hornykewycz (2021): Capability accumulation and product innovation: an agent-based perspective, *Journal of Evolutionary Economics*, forthcoming. DOI: 10.1007/s00191-021-00732-9
- C. Cordes, W. Elsner, **C. Gräbner**, T. Heinrich, J. Henkel, H. Schwardt, G. Schwesinger, T.-Y. Su (2021): The collapse of cooperation: The endogeneity of institutional break-up and its asymmetry with emergence, *Journal of Evolutionary Economics*, Vol. 31(4), p. 1291-1315.
- M. Aistleitner, **C. Gräbner** and A. Hornykewycz (2021): Theory and empirics of capability accumulation: implications for macroeconomics modelling, *Research Policy*, Vol. 50(6), 104258. DOI: 10.1016/j.respol.2021.104258
- C. Gräbner**, P. Heimberger, J. Kapeller and F. Springholz (2021): Understanding economic openness: a review of existing measures, *Review of World Economics*, Vol. 157(1), p. 87-120.
- C. Gräbner**, W. Elsner and A. Lascaux (2020): Trust and Social Control. The Sources of Stability in Informal Value Transfer Systems, *Computational Economics*, forthcoming. DOI: 10.1007/s10614-020-09994-0
- C. Gräbner**, P. Heimberger, P., J. Kapeller (2020). Pandemic pushes polarisation: the Corona crisis and macroeconomic divergence in the Eurozone, *Journal of Industrial and Business Economics*, Vol. 47(3), p. 425-438.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Is Europe disintegrating? Macroeconomic divergence, structural polarization, trade and fragility, *Cambridge Journal of Economics*, Vol. 44(3), p. 647-669.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Structural change in times of increasing openness: assessing path dependency in European economic integration, in: *Journal of Evolutionary Economics*, 30(5), p. 1467-1495.
- C. Gräbner** and B. Strunk (2020): Pluralism in economics: its critiques and their lessons, *Journal of Economic Methodology*, Vol. 27(4), p. 311-329.
- S. Flechtner and **C. Gräbner** (2019): The heterogeneous relationship between income and inequality: a panel co-integration approach, in: *Economics Bulletin*, Vol. 39(4), p. 2540-2549.
- C. Gräbner**, B. Alvarez-Pereira, C. Bale, B. Alves Furtado, J. Gentile, H. Henderson, and F. Lipari (2019): Getting the Best of Both Worlds: Developing complementary Equation-Based and Agent-Based Models, in: *Computational Economics*, Vol. 53(2), p. 763-782.
- T. Heinrich and **C. Gräbner** (2019): Beyond equilibrium: revisiting two-sided markets from an agent-based modelling perspective, in: *International Journal of Computational Economics and Econometrics*, Vol. 9(3), p. 153-180.
- C. Gräbner**, W. Elsner and A. Lascaux (2018): To trust or to control – Informal value transfer systems and computational analysis in institutional economics, in: *Journal of Economic Issues*, Vol. 51(3), p. 559-569.
- C. Gräbner**, T. Heinrich, M. Kudic and B. Vermeulen (2018): The dynamics of and on networks: an introduction, in: *International Journal of Computational Economics and Econometrics*, Vol. 8(3/4), p. 229-241.
- C. Gräbner** (2018): How to Relate Models to Reality? An Epistemological Framework for the Validation and Verification of Computational Models, *Journal of Artificial Societies and Social Simulation*, Vol. 21(3), article 8.
- C. Gräbner** (2018): Formal Approaches to Socio-economic Analysis - Past and Perspectives, in: *Forum for Social Economics*, Vol. 47(1), p. 32-63.
- C. Gräbner** (2017): The Complexity of Economics and Pluralism in Economics, in: *Journal of Contextual Economics (Schmollers Jahrbuch)*, Vol. 137(3), p. 193-225.

- C. Gräbner** (2017): The Complementary Relationship between Institutional and Complexity Economics: The Example of Deep Mechanismic Explanations, in: *Journal of Economic Issues*, Vol. 51(2), p. 392-400.
- B. Álvarez Pereira, H. Henderson, F. Lipari, B. Furtado, C. Bale, J. Gentile and **C. Gräbner** (2016): Errata in “The Political Economy of the Kuznets Curve”, in: *Review of Development Economics*, Vol. 20(4), p. 817–819.
- C. Gräbner** (2016): Agent-Based Computational Models - A Formal Heuristic for Institutional Pattern Modelling?, in: *Journal of Institutional Economics*, Vol. 12(1), p. 241-261.
- C. Gräbner** and J. Kapeller (2015): New Perspectives on Institutional Pattern Modeling: Systemism, Complexity, and Agent-Based Modeling, in: *Journal of Economic Issues*, Vol. 49(2), p. 433-440.

Published studies

- J. Kapeller, **C. Gräbner** and P. Heimberger (2019): *Wirtschaftliche Polarisierung in Europa: Ursachen und Handlungsoptionen*, Bonn: Friedrich-Ebert-Stiftung. Online: <https://www.fes.de/wirtschaftliche-polarisierung-in-europa> (English translation: *Economic Polarisation in Europe: Causes and Policy Options*)

Peer-reviewed contributions to books

- J. Kapeller and **C. Gräbner** (2021): Konzernmacht in globalen Güterketten, in: Fischer, K., Reiner, C., Staritz, C. (Hrsg.): *Globale Warenketten und ungleiche Entwicklung. Arbeit, Kapital, Konsum, Natur*, Wien: Mandelbaum. Forthcoming.
- C. Gräbner** and J. Kapeller (2016): The Micro-Macro Link in Heterodox Economics, in: T. Jo, L. Chester, C. D’Ippoliti (eds.): *Handbook of Heterodox Economics*, Taylor & Francis.
- C. Gräbner** (2017): Dealing adequately with the political element in formal modelling, in: H. Hanappi, S. Katsikides, M. Scholz-Wäckerle (eds.): *Theory and Method of Evolutionary Political Economy*, Routledge.
- C. Gräbner** (2016): Die Rolle des Gleichgewichtskonzepts in der mikroökonomischen Ausbildung, in: T. van Treeck and J. Urban (eds.): *Wirtschaft neu denken*, Berlin: iRIGHTS media. (English translation: *The role of the equilibrium concept in microeconomic teaching*)
- Three chapters in the textbook: W. Elsner, T. Heinrich and H. Schwardt: *Microeconomics of Complex Economies*. San Diego, Oxford, Amsterdam: Elsevier/Academic Press: *Recent Core Models of Complexity Microeconomics*, *The Size Dimension of Complex Economies – Towards a Meso-Economics*, and *How to Deal with Knowledge of Complexity Microeconomics: Theories, Empirics, Applications, Action, and Policy*.

Edited volumes and special issues

- C. Gräbner**, T. Heinrich, M. Kudic and Ben Vermeulen (eds.): Special Issue on Dynamics of and on networks, in: *International Journal of Computational Economics and Econometrics*, vol. 8(3/4), 2018.
- C. Gräbner**, T. Heinrich, H. Schwardt (eds.): *Policy Implications of Recent Advances in Evolutionary and Institutional Economics*, London and New York: Routledge 2016.
- C. Gräbner** and T. Heinrich (eds.): Special Issue on the Complexity of Institutions: Theory and Computational Methods, *Forum for Social Economics*, forthcoming 2019.
- W. Elsner, T. Heinrich, H. Schwardt and **C. Gräbner** (eds.): Special Issue on Aspects of Game Theory and Institutional Economics, *Games*, 2014, Vol. 5.

Other publications

- C. Gräbner and J. Hafele: *What are the Reasons for the Lack of Overall Convergence in the EU? A Structuralist View*, Rebuilding Macroeconomics Blog, 08.04.2021. Online: [Link](#)
- C. Gräbner, P. Heimberger, J. Kapeller and B. Schütz: *Ökonomische Offenheit: Die Vermessung der Globalisierung*, Oekonomenstimme, 22.02.2021. Online: [Link](#) [English translation: *Economic openness: how globalization can be measured*]
- C. Gräbner and B. Strunk: *Pluralism in economics – its critiques and their lessons*, Developing Economics, 03.02.2021. Online: [Link](#)
- C. Gräbner and B. Strunk: *Kritik an der Pluralen Ökonomik – Was ist dran und warum ist das wichtig?*, Oekonomenstimme, 16.11.2020. Online: [Link](#) (English translation: *Critiques of pluralism in economics – which arguments are valid and why is this important?*)
- P. Heimberger, C. Gräbner, J. Kapeller and B. Schütz: *Die Vermessung der Globalisierung*, Makronom – Online Magazin für Wirtschaftspolitik, 01.10.2020. Online: [Link](#) (English translation: *The Measurement of Economic Openness*)
- J. Kapeller, C. Gräbner and P. Heimberger: *Eine Strategie gegen die ökonomische Polarisierung Europas*, Makronom – Online Magazin für Wirtschaftspolitik, 9.7.2019. [Link](#) (English translation: *A strategy against economic polarization in Europe*)
- C. Gräbner: *Why Europe is drifting apart and what to do about it*, Rebuilding Macroeconomics Research Blog, 15.04.2019. [Link](#)
- P. Heimberger, C. Gräbner, J. Kapeller and B. Schütz: *Warum Europa trotz Aufschwung ökonomisch weiter auseinander driftet*, Makronom – Online Magazin für Wirtschaftspolitik, 18.03.2018. Online: [Link](#) (English translation: *Why Europe is drifting apart even in times of economic recovery*)

Articles under review (selection)

The following articles are published as working paper and are submitted to peer reviewed journals. Working papers that are currently not in the submission process are not reported.

- C. Gräbner-Radkowsch, T. Hager (2021): (Mis)measuring competitiveness: the political economy of quantifying a malleable concept in the European Semester, *ICAE Working Paper No. 130* [under review, *Journal of European Public Policy*]
- C. Gräbner, P. Heimberger, J. Kapeller, M. Landesmann, B. Schütz (2021). The evolution of debtor-creditor relationships within a monetary union: trade imbalances, excess reserves and economic policy, *IJSO Working Paper No.10* [minor revisions, *Structural Change and Economic Dynamics*].
- C. Altreiter, C. Gräbner, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary framework, *ICAE Working Paper No. 120* [under review, *Socio-Economic Review*].
- C. Altreiter, C. Gräbner, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary approach to the genesis of a contested concept, *ICAE Working Paper No. 117* [under review, *Theory & Society*].
- C. Gräbner, P. Heimberger, J. Kapeller (2020). Do the "smart kids" catch up? Technological capabilities, globalisation and economic growth, *IJSO Working Paper No. 9* [under review, *Industrial & Corporate Change*].
- C. Gräbner, A. Lascaux (2020). When Trust Goes Bust: Social Control and Interfirm Collaboration in a Cooperative Environment [under review, *Management Science*].
- C. Gräbner, J. Hafele (2020): The emergence of core-periphery structures in the European trade network: a complexity perspective, *ZOE. Discussion Paper No. 6* [under review, *Cambridge Journal of Economics*].
- C. Gräbner (2019): Unrealistic models and how to identify them: on accounts of model realism, *ICAE Working Paper No. 90* [under review, *British Journal for the Philosophy of Science*].
- C. Gräbner und A. Ghorbani (2017): Defining institutions – A review and a synthesis, *ICAE Working Paper No 89* [under review, *Journal of Economic Issues*].

Work in progress (selection)

The following papers have not yet been submitted to peer review.

C. Gräbner-Radkowitsch: Socio-Ecological Polarization in the Eurozone? An MRIO approach.

C. Gräbner-Radkowitsch: Elements of an evolutionary approach to comparative economic studies: complexity, systemism, and path dependent development (*invited chapter for the Handbook of Comparative Economic Studies*, ed. by Casagrande & Dallago, Routledge).

C. Gräbner-Radkowitsch, J. Hafele: How to become wealthy and sustainable at the same time? Economic complexity and green industrial policy.

C. Gräbner-Radkowitsch, P. Heimberger, J. Kapeller: Revisiting the Kaldor paradox in times of globalization.

C. Gräbner-Radkowitsch, R. Strohmeier: An input-output-based approach to economic complexity at the sectoral level.

C. Gräbner-Radkowitsch, B. Strunk: Rethinking different post-growth policies within a multi-level stock-flow consistent framework.

Troitzsch, K., **Gräbner-Radkowitsch, C.**, Chappin, E., Edmonds, B., Filatova, T., Meyer, M., Secchi, D., Sengupta, A., Grimm, V., Polhill, G., Semeniuk, F., Wallentin, G.: Developing systems theory via agent-based modelling.

A full description of my current research, including a description of my third-party funded projects and work in progress can be found at my academic homepage: www.claudius-graebner.com

September 2021

List of third-party funded projects

Projects as principal investigator and main applicant

| Project name | Funding sum | Funding agency | Timing | Team |
|--|---------------|--|--|--|
| International competitiveness: a multi-level assessment of Austria and other European countries | 107.000 EUR | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.12.2021 (24 months) | 2 Post-Docs and 2 student assistants |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | 75.000 GBP | National Institute of Economic and Social Research (NIESR, UK) | 01.03.2019 – 31.10.2020 (19 months) | 3 Pre-Docs and 2 student assistants |
| Spatial Competition and Economic Policies (SPACE) | 2.465.827 EUR | Austrian Science Fund (FWF, AUT) | 01.04.2019 – 31.03.2023 (48 months) | 4 Post-Docs (Co-PI), 9 Pre-Docs (5 in my working group); one further Post-Doc and 2 student assistants in my working group |

Together with Svenja Flechtner I received a grant on 9.600 EUR in 2018 from the Fritz von Thyssen Foundation for the symposium “Structural change and technological upgrading in times of globalization: strategies and policies for developing countries”, which we organized at the University of Siegen.

Further contribution to third-party funded projects

| Project name | PI / my role | Funding agency | Timing |
|--|------------------------------------|------------------------------------|--|
| Financial crises and international imbalances: an agent-based stock-flow consistent approach | Bernhard Schütz / project employee | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.01.2022 (25 months) |
| Economic polarization in Europe: Causes and Policy Options | Jakob Kapeller / project employee | Friedrich-Ebert-Foundation | 01.01.2019 – 30.06.2019 (6 months) |
| The political economy of economics openness and trade | Jakob Kapeller / project employee | Austrian National Bank (OeNB, AUT) | 01.04.2017 – 30.06.2019 (27 months) |

Third-party projects in the preparation or review stage and minor grants for traveling of conferences are not reported. A detailed description of my ongoing research projects is provided on my academic webpage.

Teaching activities, keynote lectures and organized events

Special teaching activities

An introduction to agent-based modelling in Python

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| Online course | Publicly available (free) | Available online 9h videos (German), readings and exercises with solution keys |
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Complexity Economics - Theory and Computational Methods

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| Summer School Course (equivalent to one semester) | Summer Academy for Pluralist Economics | August 2017, 2018, 2019; together with Prof. Torsten Heinrich (Oxford University, Technical University Chemnitz) |
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Macroeconomics models – a multiparadigmatic overview

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|---------------|---------------------------|---|
| Online course | Publicly available (free) | Available online 15h videos (German), further readings and exercises |
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Regular teaching at the PhD level

Individual and Collective Decision-Making in Business

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| Seminar | University of Szeged (Hungary) | Summer term 2018 |
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Regular teaching at the graduate level

Political economy

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| Seminar | Europa-University Flensburg | Fall term 2021/22 |
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Advanced Macroeconomics

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| Seminar (blended learning) | University of Duisburg-Essen | Winter term 2020/21 |
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Economic history and theory over time: a comparative view

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| Seminar | University of Duisburg-Essen | Summer term 2020, 2021; Together with Jakob Kapeller |
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Methods of socioeconomic research with fundamentals in the philosophy of science

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| Seminar | University of Duisburg-Essen | Winter term 2019/20, 2020/21, 2021/22; Summer term 2021; together with Jakob Kapeller |
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Agent-based modeling in economics

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| Seminar (blended learning) | Cusanus University | Winter term 2019/20 |
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Globalization and development

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| Seminar | University of Duisburg-Essen | Summer term 2020 |
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Economic methodology and agent-based modelling in economics

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| Seminar (blended learning) | University of Siegen | Winter term 2018/19 |
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Applications of institutional and evolutionary economics

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| Seminar | University of Bremen | Winter term 2014/15, Summer term 2015; Together with Wolfram Elsner |
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Regular teaching at the undergraduate level

Governing with numbers: the political economy of economic indicators

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| Seminar | University of Erfurt | Winter term 2018/2019; together with O. Kessler |
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Agent-based modelling and computational social sciences

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| Seminar (blended learning) | University of Erfurt | Summer term 2018 |
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Computational Economics

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| Seminar | University of Bremen | Winter term 2015/16; together with G. Schwesinger |
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Exercises in microeconomics

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| Lecture | University of Bremen | Summer term 2014, 2015, 2016 |
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Exercises in institutional and evolutionary economics

Lecture University of Bremen Winter term 2014/15, 2015/16

Innovation and information economics

Seminar University of Bremen Winter term 2014/15, 2015/16;
Together with Wolfram Elsner

Keynote lectures and workshops

- December 3 2021** **Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE
- November 17 2021** **Complexity economics – an alternative to equilibrium-based analysis?**
Invited talk during the public lecture series *Economic theorizing – old assumption, new pathways*
Zeppelin University, DE
- October 19 2021** **What is pluralist economics?**
Invited talk during the public lecture series *Pluralist perspectives on future-fit economies*
Christian-Albrechts-University Kiel
- January 28 2021** **Country capabilities, product complexity and finance in the EU**
Invited talk at the *Rebuilding Macroeconomics Globalization Hub Conference*
Edinburgh, UK (online)
- January 5 2021** **Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE (online)
- December 15 2020** **Pluralism in economics – a philosophy of science perspective**
Invited talk at the University of Tübingen
Tübingen, DE (online)
- October 30 2019** **Getting the best of both worlds: potentials for triangulating agent-based and equilibrium-based analysis**
Keynote at the conference “Agent-based economics”
Graz, AT
- September 11-12 2019** **The Political Economy of Economic Complexity**
Workshop at the EAEPE Pre-Conference for Young Scholars.
Warsaw, PL
- September 2 2019** **Complexity, pluralism and effective triangulation of methods**
Bochum, DE
Keynote during the “Summer School on Complexity Economics, Behavioral Economics and Data Science”
- 5 July 2018** **Theory development through agent-based modelling - Lessons from economics**
Invited talk at the symposium „Theory Development through Agent-Based Modeling“
Hannover, DE
- June 14 2018** **Measures of economic complexity - Potentials and limitations for development studies**
Keynote at the DAAD conference „Diversification and Development“
University of Pretoria, ZA
- June 12 2017** **Complexity economics – history, theory and methods**
Public lecture during the lecture series “Economic research programs”
Ruhr-University of Bochum, DE

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| May 19 2017 | Agent-based models verification and validation - Epistemological importance and theoretical challenges Keynote at the conference „Agent-based modelling in economics – from toy model to verified tool of analysis“ ESCP Europe Business School Berlin, DE |
| November 18 2016 | Institutional economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| May 20 2016 | Computations, Mechanisms, and Socio-Ecological Systems - A meta-theoretical appraisal of ABM Keynote at the conference „Agent-based modelling in ecological economics“ ESCP Europe Business School Berlin, DE |
| May 10 2016 | Networks and complexity in economics Public lecture during the lecture series “Alternative theories in microeconomics” Vienna University of Economics and Business, AU |
| February 19 2016 | Introduction to complexity economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| September 16 2015 | Complexity Economics PhD course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich EAEPE Pre-Conference for Young Scholars , University of Genoa, IT |
| August 9 2014 | Complexity Economics PhD and master course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich The Macroeconomic Policy Institute (IMK), Berlin |

Organized academic events

| | |
|----------------|--|
| October 2021 | Economics of knowledge creation and utilization in regions University of Thessaly, Greece International Symposium (organizer) |
| September 2021 | Annual Conference of the EAEPE Online conference Panels of Research Area X “Knowledge, Networks and Regions” (organizer) |
| November 2018 | Structural change and technological upgrading in times of globalization: strategies and policies for developing countries Siegen, Germany International symposium (organizer), funded by the Fritz-von-Thyssen Foundation Keynote: Tillman Altenburg (DIE) |
| September 2018 | Trade runner 2049: Complexity, development, and the future of the economy Thessaloniki, Greece Satellite meeting at the Conference on Complex Systems Keynote: Prof. Magda Fontana (Turin) |
| September 2017 | Institutions, Industry Structure, and Evolution: Complexity Approaches in Economics Cancun, Mexico Satellite meeting auf der Conference on Complex Systems Keynote: Prof. Hyejin Youn (Harvard and Chicago) |
| September 2016 | Complex Economic Systems and the Role of Institutions: Evolutionary, Institutional, and Complexity Perspectives Amsterdam, Netherlands |

Prof. Dr. Claudius Gräbner

Europa-University Flensburg | Johannes Kepler University Linz
Email: claudius@claudius-graebner.com | Web: www.claudius-graebner.com

September 2016

Satellite meeting auf der Conference on Complex Systems
Keynote: Prof. Andrea Roventini (Sant'Anna, Pisa, Italien)

Pre-Conference for Young Scholars

Manchester, England

Six-day summer school.

September 2015

Complexity Economics, Institutions and Technology

Genoa, Italy

Several sessions and panel discussion at the EAEPE Annual Conference

Prof. Dr. Claudius Gräbner-Radkowitsch

Curriculum Vitae

Personal information

| | |
|----------------|---|
| Name: | Dr. Claudius Gräbner-Radkowitsch, né Gräbner |
| Address: | Europa-University Flensburg Munketoft 3b, Room MAD 218 24943 Flensburg, Germany |
| Phone: | +49 (0) 461 805 2512 |
| Email: | claudius@claudius-graebner.com |
| Homepage | www.claudius-graebner.com |
| Date of birth: | 21.02.1989 in Hanau (Germany) |

Memberships in academic associations

| | |
|----------------|---|
| AEA | American Economic Association |
| AFEE | Association for Evolutionary Economics |
| CCS | Complex Systems Society |
| EAEPE | European Association for Evolutionary Political Economy |
| ASEER (GS*ÖBW) | Association for Socioeconomic Education and Research |
| NEEC (NOEBB) | Network for Economic Education and Consulting |
| NPÖ | Network for Pluralism in Economics |
| GEA (VfS) | German Economic Association (Verein für Socialpolitik) |
| | Ordinary member and member of the Evolutionary Economics Working Groups |
| WINIR | World Interdisciplinary Network for Institutional Research |

Academic work experience

| | |
|-----------------------------|---|
| Since October 2021 | Ass. Professor for Pluralist Economics (W1, with Tenure Track) Europa-University Flensburg, DE |
| April 2019 – September 2021 | Research associate (Post-Doc) Institute for Socioeconomics, Universität Duisburg-Essen, DE |
| April 2018 – June 2018 | Guest researcher ZOE. Institute for Future-Economies |
| Since November 2017 | Research fellow ZOE. Institute for Future-Economies |
| Since April 2017 | Research associate Institute for Comprehensive Analysis of the Economy (ICAE) Johannes Kepler Universität Linz, AT |
| August 2013 – October 2016 | Research assistant Universität Bremen, DE |

A full list of my given lectures and publications are listed in the separated documents below and on my academic homepage.

Education

| | |
|------------------------------|---|
| February 2020 | Professional Education und Supervision „Leadership in academic projects“ <i>Kürmayr Consulting, Linz</i> |
| April 2014 – June 2016 | PhD studies in economics <i>Universität Bremen, DE</i> Grade: <i>summa cum laude</i> |
| 2014 – 2016 (summer term) | Santa Fe Institute , Santa Fe, Neu Mexico, USA <i>Graduate Workshop for Computational Social Sciences</i> <i>Workshop on Complexity in the Social Sciences</i> <i>Complex Systems Summer School</i> |
| September 2009 - August 2012 | Social Sciences, Law and Economics, Bachelor of Arts <i>University of Erfurt, DE</i> Final grade: 1.2 |
| Mai 2011 - January 2012 | Education as tour guide <i>City of Gelnhausen, DE</i> |
| August 2000 – June 2008 | Grimmelshausen Gymnasium , Gelnhausen, DE A-levels, final grade: 1,6 |

Third-party funded research projects

| Name | Grand awarding body | Grant | Time |
|--|--|-------------------------|-------------------------------------|
| International competitiveness: a multi-level assessment of Austria and other European countries | Austrian National Bank (OeNB, AUT) | 107.000 EUR | 01.01.2020 – 31.12.2021 (24 months) |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | National Institute of Economic and Social Research (NIESR, UK) | 75.000 GBP | 01.03.2019 – 30.10.2020 (18 months) |
| Spatial Competition and Economic Policies (SPACE) | Austrian Science Fund (FWF, AUT) | 2.465.827 EUR (4 Co-PI) | 01.04.2019 – 31.03.2023 (48 months) |

More information on my research grants and third-party funding activities is provided via in a separate document below.

Awards und grants (selection)

| | |
|-----------------|---|
| 2020 | Kapp Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> <i>Best-paper award</i> for papers that have been published in 2020. |
| 2018 | Herbert Simon Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> <i>Best-paper award</i> for young researchers |
| 2016 | Young Scholar Award for Pluralistic Economic Research <i>Witten Institute for Institutional Change</i> Award for the best young economist working from a pluralist perspective |
| 2016 | Segnitz-Prize <i>Department of Economics (Bremen) and Segnitz Foundation</i> Best PhD thesis in economics and business studies |
| 2012, 2014-2016 | Student and PhD scholarship <i>German Academic Scholarship Foundation (Studienstiftung)</i> |
| 2015 | PROMOS Stipendium <i>DAAD (German Academic Exchange Service)</i> |
| 2009 | Erwin-Sichmann Medaille <i>Track and field association MKK</i> Award for the best track and field athlete. |

IT and language skills

| | | | |
|------------------------|-----------|------------|-----------------|
| Python, R, TeX | Advanced | Deutsch | Mother tongue |
| MS Office | Very good | English | Business fluent |
| Stata, Linux Bash | Good | Spanish | Fluent |
| HTML, Mathematica, SQL | Basic | Portuguese | Basic knowledge |
| | | Latin | Latinum |

Work experience

| | |
|------------------------------|--|
| November 2013 – March 2014 | Consultant for “Water supply and waste management in Latin America and the Caribbean” KfW Development Bank, Frankfurt a.M., DE |
| September 2009 - August 2012 | Local coordinator (Central America) Weltweite Initiative für Soziales Engagement, Bad Elster, DE, Central America |
| May 2011 - January 2012 | Studentische Hilfskraft Chair for International Law, European Law and European Integration, University of Erfurt, DE |
| August 2009 | Centro de Derechos Humanos Fray Bartolomé de las Casas (FRAYBA), Chiapas, MX <i>Human Rights Observer</i> |
| August 2008 – September 2009 | MELEL Xojobal, Chiapas, MX <i>International Voluntary Service</i> |

Academic engagement

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|-------------------------------|---|
| Since October 2020 | European Association for Evolutionary Political Economy <i>Research area co-coordinator “Knowledge, Networks & Regions”</i> |
| August 2020 – March 2021 | University Duisburg-Essen <i>W2-appointment committee “Empirical Inequality Research”</i> |
| January 2020 – September 2021 | University Duisburg-Essen <i>Board member of the Institute for Socioeconomics</i> |
| April 2019 – September 2021 | University Duisburg-Essen Member of the examination board (‘Prüfungsausschuss’) of the study program in ‘Socioeconomics’ |
| Since October 2018 | Network for Economic Education and Consulting e.V. <i>Founding member and council member</i> |
| Since February 2018 | Institute for the Comprehensive Analysis of the Economy (ICAE) <i>Leader of the Research area „Plural Economics“</i> |
| Since January 2016 | German Academic Scholarship Foundation (‘Studienstiftung’) <i>Selection panel und educational lectures</i> |
| December 2015 – June 2016 | Universität Bremen <i>Member of the appointment committee W2 Macroeconomics</i> |
| Since March 2011 | Network for Pluralism in Economics e.V. <i>Workshops, Lectures, cash auditor (2017), among others.</i> |
| December 2010 – August 2012 | Impuls. Für eine neue Wirtschaft <i>Founding member of the group, which was dedicated to more pluralism in the teaching of economics.</i> |
| October 2009 - March 2011 | campusgrün, Erfurt, DE <i>Active member.</i> |

Activities as reviewer

| | |
|----------------------------------|---|
| Guest editor | Forum for Social Economics, International Journal of Computational Economics and Econometrics, Games |
| Reviewer for journals | Cambridge Journal of Regions, Economy and Society, Computational Economics, Complexity, Eastern European Economics, Economics of Innovation and New Technology, European Journal of Philosophy of Science, Forum for Social Economics (FSE), International Journal of Technology Intelligence and Planning (IJTIP), International Journal of Computational Economics and Econometrics (IJCEE), Journal of Artificial Societies and Social Simulation (JASSS), Journal of Common Market Studies (JCMS), Journal of Economic Methodology, Journal of Evolutionary Economics, Journal of Economic Issues, Journal of Institutional Economics (JoIE), Momentum Quarterly, Perspectives on Science, Review of Evolutionary Political Economy (REPE), Review of Social Economy (RoSE), Review of Keynesian Economics (ROKE), Social Science Information (SSI), Socio-Economic Review, Structural Change and Economic Dynamics, Synthese |
| Reviewer for institutions | German Federal Ministry for Education and Research (BMBF) |

A full list of my keynotes, lectures, and. organized events is provided through the document on “Lecturing activities”. Information about my teaching portfolio is summarized in the document “Teaching portfolio”. A full list of my publications can be found in the publication list below and my academic homepage.

Date: November 2021

List of publications

Peer-reviewed journal articles

- C. Gräbner** and A. Hornykewycz (2021): Capability accumulation and product innovation: an agent-based perspective, *Journal of Evolutionary Economics*, forthcoming. DOI: 10.1007/s00191-021-00732-9
- C. Cordes, W. Elsner, **C. Gräbner**, T. Heinrich, J. Henkel, H. Schwardt, G. Schwesinger, T.-Y. Su (2021): The collapse of cooperation: The endogeneity of institutional break-up and its asymmetry with emergence, *Journal of Evolutionary Economics*, Vol. 31(4), p. 1291-1315.
- M. Aistleitner, **C. Gräbner** and A. Hornykewycz (2021): Theory and empirics of capability accumulation: implications for macroeconomics modelling, *Research Policy*, Vol. 50(6), 104258. DOI: 10.1016/j.respol.2021.104258
- C. Gräbner**, P. Heimberger, J. Kapeller and F. Springholz (2021): Understanding economic openness: a review of existing measures, *Review of World Economics*, Vol. 157(1), p. 87-120.
- C. Gräbner**, W. Elsner and A. Lascaux (2020): Trust and Social Control. The Sources of Stability in Informal Value Transfer Systems, *Computational Economics*, forthcoming. DOI: 10.1007/s10614-020-09994-0
- C. Gräbner**, P. Heimberger, P., J. Kapeller (2020). Pandemic pushes polarisation: the Corona crisis and macroeconomic divergence in the Eurozone, *Journal of Industrial and Business Economics*, Vol. 47(3), p. 425-438.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Is Europe disintegrating? Macroeconomic divergence, structural polarization, trade and fragility, *Cambridge Journal of Economics*, Vol. 44(3), p. 647-669.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Structural change in times of increasing openness: assessing path dependency in European economic integration, in: *Journal of Evolutionary Economics*, 30(5), p. 1467-1495.
- C. Gräbner** and B. Strunk (2020): Pluralism in economics: its critiques and their lessons, *Journal of Economic Methodology*, Vol. 27(4), p. 311-329.
- S. Flechtner and **C. Gräbner** (2019): The heterogeneous relationship between income and inequality: a panel co-integration approach, in: *Economics Bulletin*, Vol. 39(4), p. 2540-2549.
- C. Gräbner**, B. Alvarez-Pereira, C. Bale, B. Alves Furtado, J. Gentile, H. Henderson, and F. Lipari (2019): Getting the Best of Both Worlds: Developing complementary Equation-Based and Agent-Based Models, in: *Computational Economics*, Vol. 53(2), p. 763-782.
- T. Heinrich and **C. Gräbner** (2019): Beyond equilibrium: revisiting two-sided markets from an agent-based modelling perspective, in: *International Journal of Computational Economics and Econometrics*, Vol. 9(3), p. 153-180.
- C. Gräbner**, W. Elsner and A. Lascaux (2018): To trust or to control – Informal value transfer systems and computational analysis in institutional economics, in: *Journal of Economic Issues*, Vol. 51(3), p. 559-569.
- C. Gräbner**, T. Heinrich, M. Kudic and B. Vermeulen (2018): The dynamics of and on networks: an introduction, in: *International Journal of Computational Economics and Econometrics*, Vol. 8(3/4), p. 229-241.
- C. Gräbner** (2018): How to Relate Models to Reality? An Epistemological Framework for the Validation and Verification of Computational Models, *Journal of Artificial Societies and Social Simulation*, Vol. 21(3), article 8.
- C. Gräbner** (2018): Formal Approaches to Socio-economic Analysis - Past and Perspectives, in: *Forum for Social Economics*, Vol. 47(1), p. 32-63.
- C. Gräbner** (2017): The Complexity of Economics and Pluralism in Economics, in: *Journal of Contextual Economics (Schmollers Jahrbuch)*, Vol. 137(3), p. 193-225.

- C. Gräbner** (2017): The Complementary Relationship between Institutional and Complexity Economics: The Example of Deep Mechanismic Explanations, in: *Journal of Economic Issues*, Vol. 51(2), p. 392-400.
- B. Álvarez Pereira, H. Henderson, F. Lipari, B. Furtado, C. Bale, J. Gentile and **C. Gräbner** (2016): Errata in “The Political Economy of the Kuznets Curve”, in: *Review of Development Economics*, Vol. 20(4), p. 817–819.
- C. Gräbner** (2016): Agent-Based Computational Models - A Formal Heuristic for Institutional Pattern Modelling?, in: *Journal of Institutional Economics*, Vol. 12(1), p. 241-261.
- C. Gräbner** and J. Kapeller (2015): New Perspectives on Institutional Pattern Modeling: Systemism, Complexity, and Agent-Based Modeling, in: *Journal of Economic Issues*, Vol. 49(2), p. 433-440.

Published studies

- J. Kapeller, **C. Gräbner** and P. Heimberger (2019): *Wirtschaftliche Polarisierung in Europa: Ursachen und Handlungsoptionen*, Bonn: Friedrich-Ebert-Stiftung. Online: <https://www.fes.de/wirtschaftliche-polarisierung-in-europa> (English translation: *Economic Polarisation in Europe: Causes and Policy Options*)

Peer-reviewed contributions to books

- J. Kapeller and **C. Gräbner** (2021): Konzernmacht in globalen Güterketten, in: Fischer, K., Reiner, C., Staritz, C. (Hrsg.): *Globale Warenketten und ungleiche Entwicklung. Arbeit, Kapital, Konsum, Natur*, Wien: Mandelbaum. Forthcoming.
- C. Gräbner** and J. Kapeller (2016): The Micro-Macro Link in Heterodox Economics, in: T. Jo, L. Chester, C. D’Ippoliti (eds.): *Handbook of Heterodox Economics*, Taylor & Francis.
- C. Gräbner** (2017): Dealing adequately with the political element in formal modelling, in: H. Hanappi, S. Katsikides, M. Scholz-Wäckerle (eds.): *Theory and Method of Evolutionary Political Economy*, Routledge.
- C. Gräbner** (2016): Die Rolle des Gleichgewichtskonzepts in der mikroökonomischen Ausbildung, in: T. van Treeck and J. Urban (eds.): *Wirtschaft neu denken*, Berlin: iRIGHTS media. (English translation: *The role of the equilibrium concept in microeconomic teaching*)
- Three chapters in the textbook: W. Elsner, T. Heinrich and H. Schwardt: *Microeconomics of Complex Economies*. San Diego, Oxford, Amsterdam: Elsevier/Academic Press: *Recent Core Models of Complexity Microeconomics*, *The Size Dimension of Complex Economies – Towards a Meso-Economics*, and *How to Deal with Knowledge of Complexity Microeconomics: Theories, Empirics, Applications, Action, and Policy*.

Edited volumes and special issues

- C. Gräbner**, T. Heinrich, M. Kudic and Ben Vermeulen (eds.): Special Issue on Dynamics of and on networks, in: *International Journal of Computational Economics and Econometrics*, vol. 8(3/4), 2018.
- C. Gräbner**, T. Heinrich, H. Schwardt (eds.): *Policy Implications of Recent Advances in Evolutionary and Institutional Economics*, London and New York: Routledge 2016.
- C. Gräbner** and T. Heinrich (eds.): Special Issue on the Complexity of Institutions: Theory and Computational Methods, *Forum for Social Economics*, forthcoming 2019.
- W. Elsner, T. Heinrich, H. Schwardt and **C. Gräbner** (eds.): Special Issue on Aspects of Game Theory and Institutional Economics, *Games*, 2014, Vol. 5.

Other publications

- C. Gräbner and J. Hafele: *What are the Reasons for the Lack of Overall Convergence in the EU? A Structuralist View*, Rebuilding Macroeconomics Blog, 08.04.2021. Online: [Link](#)
- C. Gräbner, P. Heimberger, J. Kapeller and B. Schütz: *Ökonomische Offenheit: Die Vermessung der Globalisierung*, Oekonomenstimme, 22.02.2021. Online: [Link](#) [English translation: *Economic openness: how globalization can be measured*]
- C. Gräbner and B. Strunk: *Pluralism in economics – its critiques and their lessons*, Developing Economics, 03.02.2021. Online: [Link](#)
- C. Gräbner and B. Strunk: *Kritik an der Pluralen Ökonomik – Was ist dran und warum ist das wichtig?*, Oekonomenstimme, 16.11.2020. Online: [Link](#) (English translation: *Critiques of pluralism in economics – which arguments are valid and why is this important?*)
- P. Heimberger, C. Gräbner, J. Kapeller and B. Schütz: *Die Vermessung der Globalisierung*, Makronom – Online Magazin für Wirtschaftspolitik, 01.10.2020. Online: [Link](#) (English translation: *The Measurement of Economic Openness*)
- J. Kapeller, C. Gräbner and P. Heimberger: *Eine Strategie gegen die ökonomische Polarisierung Europas*, Makronom – Online Magazin für Wirtschaftspolitik, 9.7.2019. [Link](#) (English translation: *A strategy against economic polarization in Europe*)
- C. Gräbner: *Why Europe is drifting apart and what to do about it*, Rebuilding Macroeconomics Research Blog, 15.04.2019. [Link](#)
- P. Heimberger, C. Gräbner, J. Kapeller and B. Schütz: *Warum Europa trotz Aufschwung ökonomisch weiter auseinander driftet*, Makronom – Online Magazin für Wirtschaftspolitik, 18.03.2018. Online: [Link](#) (English translation: *Why Europe is drifting apart even in times of economic recovery*)

Articles under review (selection)

The following articles are published as working paper and are submitted to peer reviewed journals. Working papers that are currently not in the submission process are not reported.

- C. Gräbner-Radkowsch, T. Hager (2021): (Mis)measuring competitiveness: the political economy of quantifying a malleable concept in the European Semester, *ICAE Working Paper No. 130* [under review, *Journal of European Public Policy*]
- C. Gräbner, P. Heimberger, J. Kapeller, M. Landesmann, B. Schütz (2021). The evolution of debtor-creditor relationships within a monetary union: trade imbalances, excess reserves and economic policy, *IJSO Working Paper No.10* [minor revisions, *Structural Change and Economic Dynamics*].
- C. Altreiter, C. Gräbner, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary framework, *ICAE Working Paper No. 120* [under review, *Socio-Economic Review*].
- C. Altreiter, C. Gräbner, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary approach to the genesis of a contested concept, *ICAE Working Paper No. 117* [under review, *Theory & Society*].
- C. Gräbner, P. Heimberger, J. Kapeller (2020). Do the "smart kids" catch up? Technological capabilities, globalisation and economic growth, *IJSO Working Paper No. 9* [under review, *Industrial & Corporate Change*].
- C. Gräbner, A. Lascaux (2020). When Trust Goes Bust: Social Control and Interfirm Collaboration in a Cooperative Environment [under review, *Management Science*].
- C. Gräbner, J. Hafele (2020): The emergence of core-periphery structures in the European trade network: a complexity perspective, *ZOE. Discussion Paper No. 6* [under review, *Cambridge Journal of Economics*].
- C. Gräbner (2019): Unrealistic models and how to identify them: on accounts of model realism, *ICAE Working Paper No. 90* [under review, *British Journal for the Philosophy of Science*].
- C. Gräbner und A. Ghorbani (2017): Defining institutions – A review and a synthesis, *ICAE Working Paper No 89* [under review, *Journal of Economic Issues*].

Work in progress (selection)

The following papers have not yet been submitted to peer review.

C. Gräbner-Radkowitsch: Socio-Ecological Polarization in the Eurozone? An MRIO approach.

C. Gräbner-Radkowitsch: Elements of an evolutionary approach to comparative economic studies: complexity, systemism, and path dependent development (*invited chapter for the Handbook of Comparative Economic Studies*, ed. by Casagrande & Dallago, Routledge).

C. Gräbner-Radkowitsch, J. Hafele: How to become wealthy and sustainable at the same time? Economic complexity and green industrial policy.

C. Gräbner-Radkowitsch, P. Heimberger, J. Kapeller: Revisiting the Kaldor paradox in times of globalization.

C. Gräbner-Radkowitsch, R. Strohmeier: An input-output-based approach to economic complexity at the sectoral level.

C. Gräbner-Radkowitsch, B. Strunk: Rethinking different post-growth policies within a multi-level stock-flow consistent framework.

Troitzsch, K., **Gräbner-Radkowitsch, C.**, Chappin, E., Edmonds, B., Filatova, T., Meyer, M., Secchi, D., Sengupta, A., Grimm, V., Polhill, G., Semeniuk, F., Wallentin, G.: Developing systems theory via agent-based modelling.

A full description of my current research, including a description of my third-party funded projects and work in progress can be found at my academic homepage: www.claudius-graebner.com

September 2021

List of third-party funded projects

Projects as principal investigator and main applicant

| Project name | Funding sum | Funding agency | Timing | Team |
|--|---------------|--|--|--|
| International competitiveness: a multi-level assessment of Austria and other European countries | 107.000 EUR | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.21.2021 (24 months) | 2 Post-Docs and 2 student assistants |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | 75.000 GBP | National Institute of Economic and Social Research (NIESR, UK) | 01.03.2019 – 31.10.2020 (19 months) | 3 Pre-Docs and 2 student assistants |
| Spatial Competition and Economic Policies (SPACE) | 2.465.827 EUR | Austrian Science Fund (FWF, AUT) | 01.04.2019 – 31.03.2023 (48 months) | 4 Post-Docs (Co-PI), 9 Pre-Docs (5 in my working group); one further Post-Doc and 2 student assistants in my working group |

Together with Svenja Flechtner I received a grant on 9.600 EUR in 2018 from the Fritz von Thyssen Foundation for the symposium “Structural change and technological upgrading in times of globalization: strategies and policies for developing countries”, which we organized at the University of Siegen.

Further contribution to third-party funded projects

| Project name | PI / my role | Funding agency | Timing |
|--|------------------------------------|------------------------------------|--|
| Financial crises and international imbalances: an agent-based stock-flow consistent approach | Bernhard Schütz / project employee | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.01.2022 (25 months) |
| Economic polarization in Europe: Causes and Policy Options | Jakob Kapeller / project employee | Friedrich-Ebert-Foundation | 01.01.2019 – 30.06.2019 (6 months) |
| The political economy of economics openness and trade | Jakob Kapeller / project employee | Austrian National Bank (OeNB, AUT) | 01.04.2017 – 30.06.2019 (27 months) |

Third-party projects in the preparation or review stage and minor grants for traveling of conferences are not reported. A detailed description of my ongoing research projects is provided on my academic webpage.

Teaching activities, keynote lectures and organized events

Special teaching activities

An introduction to agent-based modelling in Python

| | | |
|---------------|---------------------------|---|
| Online course | Publicly available (free) | Available online 9h videos (German), readings and exercises with solution keys |
|---------------|---------------------------|---|

Complexity Economics - Theory and Computational Methods

| | | |
|--|---|---|
| Summer School Course (equivalent to one semester) | Summer Academy for Pluralist Economics | August 2017, 2018, 2019; together with Prof. Torsten Heinrich (Oxford University, Technical University Chemnitz) |
|--|---|---|

Macroeconomics models – a multiparadigmatic overview

| | | |
|---------------|---------------------------|---|
| Online course | Publicly available (free) | Available online 15h videos (German), further readings and exercises |
|---------------|---------------------------|---|

Regular teaching at the PhD level

Individual and Collective Decision-Making in Business

| | | |
|---------|--------------------------------|------------------|
| Seminar | University of Szeged (Hungary) | Summer term 2018 |
|---------|--------------------------------|------------------|

Regular teaching at the graduate level

Political economy

| | | |
|---------|-----------------------------|-------------------|
| Seminar | Europa-University Flensburg | Fall term 2021/22 |
|---------|-----------------------------|-------------------|

Advanced Macroeconomics

| | | |
|----------------------------|------------------------------|---------------------|
| Seminar (blended learning) | University of Duisburg-Essen | Winter term 2020/21 |
|----------------------------|------------------------------|---------------------|

Economic history and theory over time: a comparative view

| | | |
|---------|------------------------------|---|
| Seminar | University of Duisburg-Essen | Summer term 2020, 2021; Together with Jakob Kapeller |
|---------|------------------------------|---|

Methods of socioeconomic research with fundamentals in the philosophy of science

| | | |
|---------|------------------------------|--|
| Seminar | University of Duisburg-Essen | Winter term 2019/20, 2020/21, 2021/22; Summer term 2021; together with Jakob Kapeller |
|---------|------------------------------|--|

Agent-based modeling in economics

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|----------------------------|--------------------|---------------------|
| Seminar (blended learning) | Cusanus University | Winter term 2019/20 |
|----------------------------|--------------------|---------------------|

Globalization and development

| | | |
|---------|------------------------------|------------------|
| Seminar | University of Duisburg-Essen | Summer term 2020 |
|---------|------------------------------|------------------|

Economic methodology and agent-based modelling in economics

| | | |
|----------------------------|----------------------|---------------------|
| Seminar (blended learning) | University of Siegen | Winter term 2018/19 |
|----------------------------|----------------------|---------------------|

Applications of institutional and evolutionary economics

| | | |
|---------|----------------------|--|
| Seminar | University of Bremen | Winter term 2014/15, Summer term 2015; Together with Wolfram Elsner |
|---------|----------------------|--|

Regular teaching at the undergraduate level

Governing with numbers: the political economy of economic indicators

| | | |
|---------|----------------------|---|
| Seminar | University of Erfurt | Winter term 2018/2019; together with O. Kessler |
|---------|----------------------|---|

Agent-based modelling and computational social sciences

| | | |
|----------------------------|----------------------|------------------|
| Seminar (blended learning) | University of Erfurt | Summer term 2018 |
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Computational Economics

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| Seminar | University of Bremen | Winter term 2015/16; together with G. Schwesinger |
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Exercises in microeconomics

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|---------|----------------------|------------------------------|
| Lecture | University of Bremen | Summer term 2014, 2015, 2016 |
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Exercises in institutional and evolutionary economics

Lecture University of Bremen Winter term 2014/15, 2015/16

Innovation and information economics

Seminar University of Bremen Winter term 2014/15, 2015/16;
Together with Wolfram Elsner

Keynote lectures and workshops

- December 3 2021 Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE
- November 17 2021 Complexity economics – an alternative to equilibrium-based analysis?**
Invited talk during the public lecture series *Economic theorizing – old assumption, new pathways*
Zeppelin University, DE
- October 19 2021 What is pluralist economics?**
Invited talk during the public lecture series *Pluralist perspectives on future-fit economies*
Christian-Albrechts-University Kiel
- January 28 2021 Country capabilities, product complexity and finance in the EU**
Invited talk at the *Rebuilding Macroeconomics Globalization Hub Conference*
Edenborough, UK (online)
- January 5 2021 Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE (online)
- December 15 2020 Pluralism in economics – a philosophy of science perspective**
Invited talk at the University of Tübingen
Tübingen, DE (online)
- October 30 2019 Getting the best of both worlds: potentials for triangulating agent-based and equilibrium-based analysis**
Keynote at the conference “Agent-based economics”
Graz, AT
- September 11-12 2019 The Political Economy of Economic Complexity**
Workshop at the EAEPE Pre-Conference for Young Scholars.
Warsaw, PL
- September 2 2019 Complexity, pluralism and effective triangulation of methods**
Bochum, DE
Keynote during the “Summer School on Complexity Economics, Behavioral Economics and Data Science”
- 5 July 2018 Theory development through agent-based modelling - Lessons from economics**
Invited talk at the symposium „Theory Development through Agent-Based Modeling“
Hannover, DE
- June 14 2018 Measures of economic complexity - Potentials and limitations for development studies**
Keynote at the DAAD conference „Diversification and Development“
University of Pretoria, ZA
- June 12 2017 Complexity economics – history, theory and methods**
Public lecture during the lecture series “Economic research programs”
Ruhr-University of Bochum, DE

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| May 19 2017 | Agent-based models verification and validation - Epistemological importance and theoretical challenges Keynote at the conference „Agent-based modelling in economics – from toy model to verified tool of analysis“ ESCP Europe Business School Berlin, DE |
| November 18 2016 | Institutional economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| May 20 2016 | Computations, Mechanisms, and Socio-Ecological Systems - A meta-theoretical appraisal of ABM Keynote at the conference „Agent-based modelling in ecological economics“ ESCP Europe Business School Berlin, DE |
| May 10 2016 | Networks and complexity in economics Public lecture during the lecture series “Alternative theories in microeconomics” Vienna University of Economics and Business, AU |
| February 19 2016 | Introduction to complexity economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| September 16 2015 | Complexity Economics PhD course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich EAEPE Pre-Conference for Young Scholars , University of Genoa, IT |
| August 9 2014 | Complexity Economics PhD and master course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich The Macroeconomic Policy Institute (IMK), Berlin |

Organized academic events

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|----------------|--|
| October 2021 | Economics of knowledge creation and utilization in regions University of Thessaly, Greece International Symposium (organizer) |
| September 2021 | Annual Conference of the EAEPE Online conference Panels of Research Area X “Knowledge, Networks and Regions” (organizer) |
| November 2018 | Structural change and technological upgrading in times of globalization: strategies and policies for developing countries Siegen, Germany International symposium (organizer), funded by the Fritz-von-Thyssen Foundation Keynote: Tillman Altenburg (DIE) |
| September 2018 | Trade runner 2049: Complexity, development, and the future of the economy Thessaloniki, Greece Satellite meeting at the Conference on Complex Systems Keynote: Prof. Magda Fontana (Turin) |
| September 2017 | Institutions, Industry Structure, and Evolution: Complexity Approaches in Economics Cancun, Mexico Satellite meeting auf der Conference on Complex Systems Keynote: Prof. Hyejin Youn (Harvard and Chicago) |
| September 2016 | Complex Economic Systems and the Role of Institutions: Evolutionary, Institutional, and Complexity Perspectives Amsterdam, Netherlands |

Prof. Dr. Claudius Gräbner

Europa-University Flensburg | Johannes Kepler University Linz
Email: claudius@claudius-graebner.com | Web: www.claudius-graebner.com

September 2016

Satellite meeting auf der Conference on Complex Systems
Keynote: Prof. Andrea Roventini (Sant'Anna, Pisa, Italien)

Pre-Conference for Young Scholars

Manchester, England

Six-day summer school.

September 2015

Complexity Economics, Institutions and Technology

Genoa, Italy

Several sessions and panel discussion at the EAEPE Annual Conference

Prof. Dr. Claudius Gräbner-Radkowsch

Curriculum Vitae

Personal information

| | |
|----------------|---|
| Name: | Dr. Claudius Gräbner-Radkowsch, né Gräbner |
| Address: | Europa-University Flensburg Munketoft 3b, Room MAD 218 24943 Flensburg, Germany |
| Phone: | +49 (0) 461 805 2512 |
| Email: | claudius@claudius-graebner.com |
| Homepage | www.claudius-graebner.com |
| Date of birth: | 21.02.1989 in Hanau (Germany) |

Memberships in academic associations

| | |
|----------------|---|
| AEA | American Economic Association |
| AFEE | Association for Evolutionary Economics |
| CCS | Complex Systems Society |
| EAEPE | European Association for Evolutionary Political Economy |
| ASEER (GS*ÖBW) | Association for Socioeconomic Education and Research |
| NEEC (NOEBB) | Network for Economic Education and Consulting |
| NPÖ | Network for Pluralism in Economics |
| GEA (VfS) | German Economic Association (Verein für Socialpolitik) |
| | Ordinary member and member of the Evolutionary Economics Working Groups |
| WINIR | World Interdisciplinary Network for Institutional Research |

Academic work experience

| | |
|-----------------------------|---|
| Since October 2021 | Ass. Professor for Pluralist Economics (W1, with Tenure Track) Europa-University Flensburg, DE |
| April 2019 – September 2021 | Research associate (Post-Doc) Institute for Socioeconomics, Universität Duisburg-Essen, DE |
| April 2018 – June 2018 | Guest researcher ZOE. Institute for Future-Economies |
| Since November 2017 | Research fellow ZOE. Institute for Future-Economies |
| Since April 2017 | Research associate Institute for Comprehensive Analysis of the Economy (ICAE) Johannes Kepler Universität Linz, AT |
| August 2013 – October 2016 | Research assistant Universität Bremen, DE |

A full list of my given lectures and publications are listed in the separated documents below and on my academic homepage.

Education

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|------------------------------|---|
| February 2020 | Professional Education und Supervision „Leadership in academic projects“ <i>Kürmayr Consulting, Linz</i> |
| April 2014 – June 2016 | PhD studies in economics <i>Universität Bremen, DE</i> Grade: <i>summa cum laude</i> |
| 2014 – 2016 (summer term) | Santa Fe Institute , Santa Fe, Neu Mexico, USA <i>Graduate Workshop for Computational Social Sciences</i> <i>Workshop on Complexity in the Social Sciences</i> <i>Complex Systems Summer School</i> |
| September 2009 - August 2012 | Social Sciences, Law and Economics, Bachelor of Arts <i>University of Erfurt, DE</i> Final grade: 1.2 |
| Mai 2011 - January 2012 | Education as tour guide <i>City of Gelnhausen, DE</i> |
| August 2000 – June 2008 | Grimmelshausen Gymnasium , Gelnhausen, DE A-levels, final grade: 1,6 |

Third-party funded research projects

| Name | Grand awarding body | Grant | Time |
|--|--|-------------------------|-------------------------------------|
| International competitiveness: a multi-level assessment of Austria and other European countries | Austrian National Bank (OeNB, AUT) | 107.000 EUR | 01.01.2020 – 31.12.2021 (24 months) |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | National Institute of Economic and Social Research (NIESR, UK) | 75.000 GBP | 01.03.2019 – 30.10.2020 (18 months) |
| Spatial Competition and Economic Policies (SPACE) | Austrian Science Fund (FWF, AUT) | 2.465.827 EUR (4 Co-PI) | 01.04.2019 – 31.03.2023 (48 months) |

More information on my research grants and third-party funding activities is provided via in a separate document below.

Awards und grants (selection)

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|-----------------|---|
| 2020 | Kapp Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> <i>Best-paper award</i> for papers that have been published in 2020. |
| 2018 | Herbert Simon Prize <i>European Association for Evolutionary Political Economy (EAEPE)</i> <i>Best-paper award</i> for young researchers |
| 2016 | Young Scholar Award for Pluralistic Economic Research <i>Witten Institute for Institutional Change</i> Award for the best young economist working from a pluralist perspective |
| 2016 | Segnitz-Prize <i>Department of Economics (Bremen) and Segnitz Foundation</i> Best PhD thesis in economics and business studies |
| 2012, 2014-2016 | Student and PhD scholarship <i>German Academic Scholarship Foundation (Studienstiftung)</i> |
| 2015 | PROMOS Stipendium <i>DAAD (German Academic Exchange Service)</i> |
| 2009 | Erwin-Sichmann Medaille <i>Track and field association MKK</i> Award for the best track and field athlete. |

IT and language skills

| | | | |
|------------------------|-----------|------------|-----------------|
| Python, R, TeX | Advanced | Deutsch | Mother tongue |
| MS Office | Very good | English | Business fluent |
| Stata, Linux Bash | Good | Spanish | Fluent |
| HTML, Mathematica, SQL | Basic | Portuguese | Basic knowledge |
| | | Latin | Latinum |

Work experience

| | |
|------------------------------|--|
| November 2013 – March 2014 | Consultant for “Water supply and waste management in Latin America and the Caribbean” KfW Development Bank, Frankfurt a.M., DE |
| September 2009 - August 2012 | Local coordinator (Central America) Weltweite Initiative für Soziales Engagement, Bad Elster, DE, Central America |
| May 2011 - January 2012 | Studentische Hilfskraft Chair for International Law, European Law and European Integration, University of Erfurt, DE |
| August 2009 | Centro de Derechos Humanos Fray Bartolomé de las Casas (FRAYBA), Chiapas, MX <i>Human Rights Observer</i> |
| August 2008 – September 2009 | MELEL Xojobal, Chiapas, MX <i>International Voluntary Service</i> |

Academic engagement

| | |
|-------------------------------|---|
| Since October 2020 | European Association for Evolutionary Political Economy <i>Research area co-coordinator “Knowledge, Networks & Regions”</i> |
| August 2020 – March 2021 | University Duisburg-Essen <i>W2-appointment committee “Empirical Inequality Research”</i> |
| January 2020 – September 2021 | University Duisburg-Essen <i>Board member of the Institute for Socioeconomics</i> |
| April 2019 – September 2021 | University Duisburg-Essen Member of the examination board (‘Prüfungsausschuss’) of the study program in ‘Socioeconomics’ |
| Since October 2018 | Network for Economic Education and Consulting e.V. <i>Founding member and council member</i> |
| Since February 2018 | Institute for the Comprehensive Analysis of the Economy (ICAE) <i>Leader of the Research area „Plural Economics“</i> |
| Since January 2016 | German Academic Scholarship Foundation (‘Studienstiftung’) <i>Selection panel und educational lectures</i> |
| December 2015 – June 2016 | Universität Bremen <i>Member of the appointment committee W2 Macroeconomics</i> |
| Since March 2011 | Network for Pluralism in Economics e.V. <i>Workshops, Lectures, cash auditor (2017), among others.</i> |
| December 2010 – August 2012 | Impuls. Für eine neue Wirtschaft <i>Founding member of the group, which was dedicated to more pluralism in the teaching of economics.</i> |
| October 2009 - March 2011 | campusgrün, Erfurt, DE <i>Active member.</i> |

Activities as reviewer

| | |
|----------------------------------|--|
| Guest editor | Forum for Social Economics, International Journal of Computational Economics and Econometrics, Games |
| Reviewer for journals | Cambridge Journal of Regions, Economy and Society, Computational Economics, Complexity, Eastern European Economics, Economics of Innovation and New Technology, European Journal of Philosophy of Science, Forum for Social Economics (FSE), International Journal of Technology Intelligence and Planning (IJTIP), International Journal of Computational Economics and Econometrics (IJCEE), Journal of Artificial Societies and Social Simulation (JASSS), Journal of Common Market Studies (JCMS), Journal of Economic Methodology Journal of Evolutionary Economics, Journal of Economic Issues, Journal of Institutional Economics (JoIE), Momentum Quarterly, Perspectives on Science, Review of Evolutionary Political Economy (REPE), Review of Social Economy (RoSE), Review of Keynesian Economics (ROKE), Social Science Information (SSI), Socio-Economic Review, Structural Change and Economic Dynamics, Synthese |
| Reviewer for institutions | German Federal Ministry for Education and Research (BMBF) |

A full list of my keynotes, lectures, and. organized events is provided through the document on “Lecturing activities”. Information about my teaching portfolio is summarized in the document “Teaching portfolio”. A full list of my publications can be found in the publication list below and my academic homepage.

Date: November 2021

List of publications

Peer-reviewed journal articles

- C. Gräbner** and A. Hornykewycz (2021): Capability accumulation and product innovation: an agent-based perspective, *Journal of Evolutionary Economics*, forthcoming. DOI: 10.1007/s00191-021-00732-9
- C. Cordes, W. Elsner, **C. Gräbner**, T. Heinrich, J. Henkel, H. Schwardt, G. Schwesinger, T.-Y. Su (2020): The collapse of cooperation: The endogeneity of institutional break-up and its asymmetry with emergence, *Journal of Evolutionary Economics*, Vol. 31(4), p. 1291-1315.
- M. Aistleitner, **C. Gräbner** and A. Hornykewycz (2021): Theory and empirics of capability accumulation: implications for macroeconomics modelling, *Research Policy*, Vol. 50(6), 104258. DOI: 10.1016/j.respol.2021.104258
- C. Gräbner**, P. Heimberger, J. Kapeller and F. Springholz (2021): Understanding economic openness: a review of existing measures, *Review of World Economics*, Vol. 157(1), p. 87-120.
- C. Gräbner**, W. Elsner and A. Lascaux (2020): Trust and Social Control. The Sources of Stability in Informal Value Transfer Systems, *Computational Economics*, forthcoming. DOI: 10.1007/s10614-020-09994-0
- C. Gräbner**, P. Heimberger, P., J. Kapeller (2020). Pandemic pushes polarisation: the Corona crisis and macroeconomic divergence in the Eurozone, *Journal of Industrial and Business Economics*, Vol. 47(3), p. 425-438.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Is Europe disintegrating? Macroeconomic divergence, structural polarization, trade and fragility, *Cambridge Journal of Economics*, Vol. 44(3), p. 647-669.
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz (2020): Structural change in times of increasing openness: assessing path dependency in European economic integration, in: *Journal of Evolutionary Economics*, 30(5), p. 1467-1495.
- C. Gräbner** and B. Strunk (2020): Pluralism in economics: its critiques and their lessons, *Journal of Economic Methodology*, Vol. 27(4), p. 311-329.
- S. Flechtner and **C. Gräbner** (2019): The heterogeneous relationship between income and inequality: a panel co-integration approach, in: *Economics Bulletin*, Vol. 39(4), p. 2540-2549.
- C. Gräbner**, B. Alvarez-Pereira, C. Bale, B. Alves Furtado, J. Gentile, H. Henderson, and F. Lipari (2019): Getting the Best of Both Worlds: Developing complementary Equation-Based and Agent-Based Models, in: *Computational Economics*, Vol. 53(2), p. 763-782.
- T. Heinrich and **C. Gräbner** (2019): Beyond equilibrium: revisiting two-sided markets from an agent-based modelling perspective, in: *International Journal of Computational Economics and Econometrics*, Vol. 9(3), p. 153-180.
- C. Gräbner**, W. Elsner and A. Lascaux (2018): To trust or to control – Informal value transfer systems and computational analysis in institutional economics, in: *Journal of Economic Issues*, Vol. 51(3), p. 559-569.
- C. Gräbner**, T. Heinrich, M. Kudic and B. Vermeulen (2018): The dynamics of and on networks: an introduction, in: *International Journal of Computational Economics and Econometrics*, Vol. 8(3/4), p. 229-241.
- C. Gräbner** (2018): How to Relate Models to Reality? An Epistemological Framework for the Validation and Verification of Computational Models, *Journal of Artificial Societies and Social Simulation*, Vol. 21(3), article 8.
- C. Gräbner** (2018): Formal Approaches to Socio-economic Analysis - Past and Perspectives, in: *Forum for Social Economics*, Vol. 47(1), p. 32-63.
- C. Gräbner** (2017): The Complexity of Economics and Pluralism in Economics, in: *Journal of Contextual Economics (Schmollers Jahrbuch)*, Vol. 137(3), p. 193-225.

- C. Gräbner** (2017): The Complementary Relationship between Institutional and Complexity Economics: The Example of Deep Mechanismic Explanations, in: *Journal of Economic Issues*, Vol. 51(2), p. 392-400.
- B. Álvarez Pereira, H. Henderson, F. Lipari, B. Furtado, C. Bale, J. Gentile and **C. Gräbner** (2016): Errata in “The Political Economy of the Kuznets Curve”, in: *Review of Development Economics*, Vol. 20(4), p. 817–819.
- C. Gräbner** (2016): Agent-Based Computational Models - A Formal Heuristic for Institutional Pattern Modelling?, in: *Journal of Institutional Economics*, Vol. 12(1), p. 241-261.
- C. Gräbner** and J. Kapeller (2015): New Perspectives on Institutional Pattern Modeling: Systemism, Complexity, and Agent-Based Modeling, in: *Journal of Economic Issues*, Vol. 49(2), p. 433-440.

Published studies

- J. Kapeller, **C. Gräbner** and P. Heimberger (2019): *Wirtschaftliche Polarisierung in Europa: Ursachen und Handlungsoptionen*, Bonn: Friedrich-Ebert-Stiftung. Online: <https://www.fes.de/wirtschaftliche-polarisierung-in-europa> (English translation: *Economic Polarisation in Europe: Causes and Policy Options*)

Peer-reviewed contributions to books

- J. Kapeller and **C. Gräbner** (2021): Konzernmacht in globalen Güterketten, in: Fischer, K., Reiner, C., Staritz, C. (Hrsg.): *Globale Warenketten und ungleiche Entwicklung. Arbeit, Kapital, Konsum, Natur*, Wien: Mandelbaum. Forthcoming.
- C. Gräbner** and J. Kapeller (2016): The Micro-Macro Link in Heterodox Economics, in: T. Jo, L. Chester, C. D’Ippoliti (eds.): *Handbook of Heterodox Economics*, Taylor & Francis.
- C. Gräbner** (2017): Dealing adequately with the political element in formal modelling, in: H. Hanappi, S. Katsikides, M. Scholz-Wäckerle (eds.): *Theory and Method of Evolutionary Political Economy*, Routledge.
- C. Gräbner** (2016): Die Rolle des Gleichgewichtskonzepts in der mikroökonomischen Ausbildung, in: T. van Treeck and J. Urban (eds.): *Wirtschaft neu denken*, Berlin: iRIGHTS media. (English translation: *The role of the equilibrium concept in microeconomic teaching*)
- Three chapters in the textbook: W. Elsner, T. Heinrich and H. Schwardt: *Microeconomics of Complex Economies*. San Diego, Oxford, Amsterdam: Elsevier/Academic Press: *Recent Core Models of Complexity Microeconomics*, *The Size Dimension of Complex Economies – Towards a Meso-Economics*, and *How to Deal with Knowledge of Complexity Microeconomics: Theories, Empirics, Applications, Action, and Policy*.

Edited volumes and special issues

- C. Gräbner**, T. Heinrich, M. Kudic and Ben Vermeulen (eds.): Special Issue on Dynamics of and on networks, in: *International Journal of Computational Economics and Econometrics*, vol. 8(3/4), 2018.
- C. Gräbner**, T. Heinrich, H. Schwardt (eds.): *Policy Implications of Recent Advances in Evolutionary and Institutional Economics*, London and New York: Routledge 2016.
- C. Gräbner** and T. Heinrich (eds.): Special Issue on the Complexity of Institutions: Theory and Computational Methods, *Forum for Social Economics*, forthcoming 2019.
- W. Elsner, T. Heinrich, H. Schwardt and **C. Gräbner** (eds.): Special Issue on Aspects of Game Theory and Institutional Economics, *Games*, 2014, Vol. 5.

Other publications

- C. Gräbner** and J. Hafele: *What are the Reasons for the Lack of Overall Convergence in the EU? A Structuralist View*, Rebuilding Macroeconomics Blog, 08.04.2021. Online: [Link](#)
- C. Gräbner**, P. Heimberger, J. Kapeller and B. Schütz: *Ökonomische Offenheit: Die Vermessung der Globalisierung*, Oekonomenstimme, 22.02.2021. Online: [Link](#) [English translation: *Economic openness: how globalization can be measured*]
- C. Gräbner** and B. Strunk: *Pluralism in economics – its critiques and their lessons*, Developing Economics, 03.02.2021. Online: [Link](#)
- C. Gräbner** and B. Strunk: *Kritik an der Pluralen Ökonomik – Was ist dran und warum ist das wichtig?*, Oekonomenstimme, 16.11.2020. Online: [Link](#) (English translation: *Critiques of pluralism in economics – which arguments are valid and why is this important?*)
- P. Heimberger, **C. Gräbner**, J. Kapeller and B. Schütz: *Die Vermessung der Globalisierung*, Makronom – Online Magazin für Wirtschaftspolitik, 01.10.2020. Online: [Link](#) (English translation: *The Measurement of Economic Openness*)
- J. Kapeller, **C. Gräbner** and P. Heimberger: *Eine Strategie gegen die ökonomische Polarisierung Europas*, Makronom – Online Magazin für Wirtschaftspolitik, 9.7.2019. [Link](#) (English translation: *A strategy against economic polarization in Europe*)
- C. Gräbner**: *Why Europe is drifting apart and what to do about it*, Rebuilding Macroeconomics Research Blog, 15.04.2019. [Link](#)
- P. Heimberger, **C. Gräbner**, J. Kapeller and B. Schütz: *Warum Europa trotz Aufschwung ökonomisch weiter auseinander driftet*, Makronom – Online Magazin für Wirtschaftspolitik, 18.03.2018. Online: [Link](#) (English translation: *Why Europe is drifting apart even in times of economic recovery*)

Articles under review (selection)

The following articles are published as working paper and are submitted to peer reviewed journals. Working papers that are currently not in the submission process are not reported.

- C. Gräbner-Radkowsch**, T. Hager (2021): (Mis)measuring competitiveness: the political economy of quantifying a malleable concept in the European Semester, *ICAE Working Paper No. 130* [under review, *Journal of European Public Policy*]
- C. Gräbner**, P. Heimberger, J. Kapeller, M. Landesmann, B. Schütz (2021). The evolution of debtor-creditor relationships within a monetary union: trade imbalances, excess reserves and economic policy, *IJSO Working Paper No.10* [minor revisions, *Structural Change and Economic Dynamics*].
- C. Altreiter, **C. Gräbner**, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary framework, *ICAE Working Paper No. 120* [under review, *Socio-Economic Review*].
- C. Altreiter, **C. Gräbner**, S. Pühringer, A. Rogojanu & G. Wolfmayr (2020). Theorizing competition: an interdisciplinary approach to the genesis of a contested concept, *ICAE Working Paper No. 117* [under review, *Theory & Society*].
- C. Gräbner**, P. Heimberger, J. Kapeller (2020). Do the "smart kids" catch up? Technological capabilities, globalisation and economic growth, *IJSO Working Paper No. 9* [under review, *Industrial & Corporate Change*].
- C. Gräbner**, A. Lascaux (2020). When Trust Goes Bust: Social Control and Interfirm Collaboration in a Cooperative Environment [under review, *Management Science*].
- C. Gräbner**, J. Hafele (2020): The emergence of core-periphery structures in the European trade network: a complexity perspective, *ZOE. Discussion Paper No. 6* [under review, *Cambridge Journal of Economics*].
- C. Gräbner** (2019): Unrealistic models and how to identify them: on accounts of model realism, *ICAE Working Paper No. 90* [under review, *British Journal for the Philosophy of Science*].
- C. Gräbner** und A. Ghorbani (2017): Defining institutions – A review and a synthesis, *ICAE Working Paper No 89* [under review, *Journal of Economic Issues*].

Work in progress (selection)

The following papers have not yet been submitted to peer review.

C. Gräbner-Radkowsch: Socio-Ecological Polarization in the Eurozone? An MRIO approach.

C. Gräbner-Radkowsch: Elements of an evolutionary approach to comparative economic studies: complexity, systemism, and path dependent development (*invited chapter for the Handbook of Comparative Economic Studies*, ed. by Casagrande & Dallago, Routledge).

C. Gräbner-Radkowsch, J. Hafele: How to become wealthy and sustainable at the same time? Economic complexity and green industrial policy.

C. Gräbner-Radkowsch, P. Heimberger, J. Kapeller: Revisiting the Kaldor paradox in times of globalization.

C. Gräbner-Radkowsch, R. Strohmeier: An input-output-based approach to economic complexity at the sectoral level.

C. Gräbner-Radkowsch, B. Strunk: Rethinking different post-growth policies within a multi-level stock-flow consistent framework.

Troitzsch, K., **Gräbner-Radkowsch, C.**, Chappin, E., Edmonds, B., Filatova, T., Meyer, M., Secchi, D., Sengupta, A., Grimm, V., Polhill, G., Semeniuk, F., Wallentin, G.: Developing systems theory via agent-based modelling.

A full description of my current research, including a description of my third-party funded projects and work in progress can be found at my academic homepage: www.claudius-graebner.com

September 2021

List of third-party funded projects

Projects as principal investigator and main applicant

| Project name | Funding sum | Funding agency | Timing | Team |
|--|---------------|--|--|--|
| International competitiveness: a multi-level assessment of Austria and other European countries | 107.000 EUR | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.12.2021 (24 months) | 2 Post-Docs and 2 student assistants |
| Country capabilities, product complexity, and finance in the EU: an AB-SFC multi country model for policy analysis | 75.000 GBP | National Institute of Economic and Social Research (NIESR, UK) | 01.03.2019 – 31.10.2020 (19 months) | 3 Pre-Docs and 2 student assistants |
| Spatial Competition and Economic Policies (SPACE) | 2.465.827 EUR | Austrian Science Fund (FWF, AUT) | 01.04.2019 – 31.03.2023 (48 months) | 4 Post-Docs (Co-PI), 9 Pre-Docs (5 in my working group); one further Post-Doc and 2 student assistants in my working group |

Together with Svenja Flechtner I received a grant on 9.600 EUR in 2018 from the Fritz von Thyssen Foundation for the symposium “Structural change and technological upgrading in times of globalization: strategies and policies for developing countries”, which we organized at the University of Siegen.

Further contribution to third-party funded projects

| Project name | PI / my role | Funding agency | Timing |
|--|------------------------------------|------------------------------------|--|
| Financial crises and international imbalances: an agent-based stock-flow consistent approach | Bernhard Schütz / project employee | Austrian National Bank (OeNB, AUT) | 01.01.2020 – 31.01.2022 (25 months) |
| Economic polarization in Europe: Causes and Policy Options | Jakob Kapeller / project employee | Friedrich-Ebert-Foundation | 01.01.2019 – 30.06.2019 (6 months) |
| The political economy of economics openness and trade | Jakob Kapeller / project employee | Austrian National Bank (OeNB, AUT) | 01.04.2017 – 30.06.2019 (27 months) |

Third-party projects in the preparation or review stage and minor grants for traveling of conferences are not reported. A detailed description of my ongoing research projects is provided on my academic webpage.

Teaching activities, keynote lectures and organized events

Special teaching activities

An introduction to agent-based modelling in Python

| | | |
|---------------|---------------------------|---|
| Online course | Publicly available (free) | Available online 9h videos (German), readings and exercises with solution keys |
|---------------|---------------------------|---|

Complexity Economics - Theory and Computational Methods

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| Summer School Course (equivalent to one semester) | Summer Academy for Pluralist Economics | August 2017, 2018, 2019; together with Prof. Torsten Heinrich (Oxford University, Technical University Chemnitz) |
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Macroeconomics models – a multiparadigmatic overview

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| Online course | Publicly available (free) | Available online 15h videos (German), further readings and exercises |
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Regular teaching at the PhD level

Individual and Collective Decision-Making in Business

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| Seminar | University of Szeged (Hungary) | Summer term 2018 |
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Regular teaching at the graduate level

Political economy

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| Seminar | Europa-University Flensburg | Fall term 2021/22 |
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Advanced Macroeconomics

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| Seminar (blended learning) | University of Duisburg-Essen | Winter term 2020/21 |
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Economic history and theory over time: a comparative view

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| Seminar | University of Duisburg-Essen | Summer term 2020, 2021; Together with Jakob Kapeller |
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Methods of socioeconomic research with fundamentals in the philosophy of science

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| Seminar | University of Duisburg-Essen | Winter term 2019/20, 2020/21, 2021/22; Summer term 2021; together with Jakob Kapeller |
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Agent-based modeling in economics

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| Seminar (blended learning) | Cusanus University | Winter term 2019/20 |
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Globalization and development

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| Seminar | University of Duisburg-Essen | Summer term 2020 |
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Economic methodology and agent-based modelling in economics

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| Seminar (blended learning) | University of Siegen | Winter term 2018/19 |
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Applications of institutional and evolutionary economics

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| Seminar | University of Bremen | Winter term 2014/15, Summer term 2015; Together with Wolfram Elsner |
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Regular teaching at the undergraduate level

Governing with numbers: the political economy of economic indicators

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| Seminar | University of Erfurt | Winter term 2018/2019; together with O. Kessler |
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Agent-based modelling and computational social sciences

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| Seminar (blended learning) | University of Erfurt | Summer term 2018 |
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Computational Economics

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| Seminar | University of Bremen | Winter term 2015/16; together with G. Schwesinger |
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Exercises in microeconomics

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| Lecture | University of Bremen | Summer term 2014, 2015, 2016 |
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Exercises in institutional and evolutionary economics

Lecture University of Bremen Winter term 2014/15, 2015/16

Innovation and information economics

Seminar University of Bremen Winter term 2014/15, 2015/16;
Together with Wolfram Elsner

Keynote lectures and workshops

- December 3 2021** **Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE
- November 17 2021** **Complexity economics – an alternative to equilibrium-based analysis?**
Invited talk during the public lecture series *Economic theorizing – old assumption, new pathways*
Zeppelin University, DE
- October 19 2021** **What is pluralist economics?**
Invited talk during the public lecture series *Pluralist perspectives on future-fit economies*
Christian-Albrechts-University Kiel
- January 28 2021** **Country capabilities, product complexity and finance in the EU**
Invited talk at the *Rebuilding Macroeconomics Globalization Hub Conference*
Edenborough, UK (online)
- January 5 2021** **Complexity economics – a teaser**
Invited talk during the public lecture series ‘Paradigms and controversies in economics’
Free University Berlin, DE (online)
- December 15 2020** **Pluralism in economics – a philosophy of science perspective**
Invited talk at the University of Tübingen
Tübingen, DE (online)
- October 30 2019** **Getting the best of both worlds: potentials for triangulating agent-based and equilibrium-based analysis**
Keynote at the conference “Agent-based economics”
Graz, AT
- September 11-12 2019** **The Political Economy of Economic Complexity**
Workshop at the EAEPE Pre-Conference for Young Scholars.
Warsaw, PL
- September 2 2019** **Complexity, pluralism and effective triangulation of methods**
Bochum, DE
Keynote during the “Summer School on Complexity Economics, Behavioral Economics and Data Science”
- 5 July 2018** **Theory development through agent-based modelling - Lessons from economics**
Invited talk at the symposium „Theory Development through Agent-Based Modeling“
Hannover, DE
- June 14 2018** **Measures of economic complexity - Potentials and limitations for development studies**
Keynote at the DAAD conference „Diversification and Development“
University of Pretoria, ZA
- June 12 2017** **Complexity economics – history, theory and methods**
Public lecture during the lecture series “Economic research programs”
Ruhr-University of Bochum, DE

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| May 19 2017 | Agent-based models verification and validation - Epistemological importance and theoretical challenges Keynote at the conference „Agent-based modelling in economics – from toy model to verified tool of analysis“ ESCP Europe Business School Berlin, DE |
| November 18 2016 | Institutional economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| May 20 2016 | Computations, Mechanisms, and Socio-Ecological Systems - A meta-theoretical appraisal of ABM Keynote at the conference „Agent-based modelling in ecological economics“ ESCP Europe Business School Berlin, DE |
| May 10 2016 | Networks and complexity in economics Public lecture during the lecture series “Alternative theories in microeconomics” Vienna University of Economics and Business, AU |
| February 19 2016 | Introduction to complexity economics Public lecture during the lecture series “Economic paradigms and current controversies” Free University of Berlin, DE |
| September 16 2015 | Complexity Economics PhD course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich EAEPE Pre-Conference for Young Scholars , University of Genoa, IT |
| August 9 2014 | Complexity Economics PhD and master course, together with Prof. Wolfram Elsner und Dr. Torsten Heinrich The Macroeconomic Policy Institute (IMK), Berlin |

Organized academic events

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| October 2021 | Economics of knowledge creation and utilization in regions University of Thessaly, Greece International Symposium (organizer) |
| September 2021 | Annual Conference of the EAEPE Online conference Panels of Research Area X “Knowledge, Networks and Regions” (organizer) |
| November 2018 | Structural change and technological upgrading in times of globalization: strategies and policies for developing countries Siegen, Germany International symposium (organizer), funded by the Fritz-von-Thyssen Foundation Keynote: Tillman Altenburg (DIE) |
| September 2018 | Trade runner 2049: Complexity, development, and the future of the economy Thessaloniki, Greece Satellite meeting at the Conference on Complex Systems Keynote: Prof. Magda Fontana (Turin) |
| September 2017 | Institutions, Industry Structure, and Evolution: Complexity Approaches in Economics Cancun, Mexico Satellite meeting auf der Conference on Complex Systems Keynote: Prof. Hyejin Youn (Harvard and Chicago) |
| September 2016 | Complex Economic Systems and the Role of Institutions: Evolutionary, Institutional, and Complexity Perspectives Amsterdam, Netherlands |

Prof. Dr. Claudius Gräbner

Europa-University Flensburg | Johannes Kepler University Linz
Email: claudius@claudius-graebner.com | Web: www.claudius-graebner.com

September 2016

Satellite meeting auf der Conference on Complex Systems
Keynote: Prof. Andrea Roventini (Sant'Anna, Pisa, Italien)

Pre-Conference for Young Scholars

Manchester, England

Six-day summer school.

September 2015

Complexity Economics, Institutions and Technology

Genoa, Italy

Several sessions and panel discussion at the EAEPE Annual Conference