

Curriculum Vitae – Philipp Boeing

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Goethe University Frankfurt – Faculty of Economics and Business

Department Economic Policy and Quantitative Methods

Email: boeing@econ-uni-frankfurt.de

ZEW – Leibniz Centre for European Economic Research

Department Economics of Innovation and Industrial Dynamics

Email: philipp.boeing@zew.de

January 2025

Employment

- Since 02/2024 Associate Professor, [Goethe University Frankfurt](#), Faculty of Economics and Business, Department Economic Policy and Quantitative Methods, Frankfurt am Main, Germany
- Since 02/2020 Senior Researcher, [ZEW](#), Department for Economics of Innovation and Industrial Dynamics, Mannheim, Germany
- 11/2019 *Offer*: Assistant Professor (tenure track) – *declined*, [Maastricht University](#), School of Business and Economics, The Netherlands
- 09/2017-07/2019 Assistant Professor (full-time term faculty), [Peking University](#), National School of Development, China Center for Economic Research, Beijing, China
- 11/2015-01/2020 Advanced Researcher, [ZEW](#), Department for Economics of Innovation and Industrial Dynamics, Mannheim, Germany
- 01/2014-10/2015 Researcher, [ZEW](#), Department for Economics of Innovation and Industrial Dynamics, Mannheim, Germany
- 10/2010-12/2013 Research Associate, [Frankfurt School of Finance & Management](#), Economics Department, Frankfurt am Main, Germany

Education

- 11/2015-08/2017 Post-Doc, ZEW, Department for Economics of Innovation and Industrial Dynamics
- 10/2010-10/2015 Ph.D. (Dr. rer. pol.) in Economics, Frankfurt School. Dissertation: *Innovation Made in China – Empirical Investigations into R&D, Patents, and Productivity* (summa cum laude, finalist of the Koerber Foundation's German Thesis Award)
- 10/2008-07/2010 M.A. in International Business, Frankfurt School. Semester abroad: Chinese Foreign Affairs University, Beijing. Research intern: China Europe International Business School (CEIBS), Shanghai. Grade: 1.3 (best in class), Thesis: 1.0
- 10/2004-03/2008 B.A. in Economics, East Asian Studies and Modern Chinese Language, Ruhr University Bochum, Germany. Grade: 1.9, Thesis: 1.0

Affiliation

Since 05/2024	Faculty Scholar, Asia Innovation and Entrepreneurship Association
Since 11/2023	Expert, China Horizons Experts Network (EU Horizon Europe)
Since 10/2020	Editorial Board, Journal of Chinese Economic and Business Studies
Since 03/2020	Expert, UNESCO Inclusive Policy Lab
Since 07/2019	Research Affiliate/Fellow, IZA - Institute of Labor Economics , Bonn, Germany
Since 01/2016	Fellow, Tsinghua University, School of Economics and Management , Research Center for Technological Innovation, Beijing, China

Research visits

06/2024	University of Toronto, Economics Department, Canada, invited by Prof. Loren Brandt and Prof. Kevin Lim
11/2023	University of Toronto, Economics Department, Canada, invited by Prof. Loren Brandt and Prof. Kevin Lim
02-04 and 08/2023	Academia Sinica, Institute of Economics, Taiwan, invited by Prof. Kamhon Kan
11/2022-12/2022	University of Toronto, Economics Department, Canada, invited by Prof. Loren Brandt
10/2021	Copenhagen Business School, Department of Strategy and Innovation, Denmark, invited by Prof. Paul Huenermund
02/2019	Gakushuin University, Faculty of International Social Science, Japan, invited by Prof. Tomohiko Inui
09/2017-07/2019	Peking University, National School of Development, China, invited by Prof. Xiaobo Zhang
12/2014	Melbourne University, Melbourne Institute, Australia, invited by Prof. Beth Webster
10/2012-12/2012	Tsinghua University, School of Economics and Management, China, invited by Prof. Xibao Li
10/2012	United Nations University - Maastricht Economic and Social Research Institute on Innovation and Technology, The Netherlands, invited by Prof. Pierre Mohnen
03/2012	Ludwig Maximilians University, INNO-tec, Munich, Germany, invited by Prof. Dietmar Harhoff

Research interest

- Economics of innovation at the firm level: policy evaluation, knowledge production, patent indicators, productivity, international competition
- Applied micro-econometrics: use of administrative-, survey-, and listed firms' panel data
- Empirical focus on China: data-generating process, institutions, its rise in global economy

Grants and awards

- Foundation for the Promotion of International Academic Relations at Goethe University
- Taiwanese Ministry of Foreign Affairs. Taiwan Fellowship 2023

- Asia Pacific Innovation Conference 2021. Best Paper Award: First Prize
- German Federal Ministry of Education and Research (BMBF). Principle Investigator for research project: The effect of innovation policy on China's competitiveness and the reaction of firms in Germany. Grand period: 7/2021-6/2024
- Peking University, China Center for Economic Research Visiting Scholar Program. Full funding of Assistant Professorship. Grant period: 9/2017-7/2019
- Marie Skłodowska-Curie Global Fellowship Program. In 2016 and 2017 proposals ranked 5th (reserve list) and 6th, respectively. Seal of excellence: recommended by European Commission for funding by other sources
- Koerber Foundation, Finalist German Dissertation Award in Social Science 2016
- German Research Foundation (DFG) and National Natural Science Foundation of China (NSFC). Full funding of ZEW-Zhejiang University Workshop in Hangzhou, China, 2015
- German Academic Exchange Service (DAAD). Doctoral stipend for research visit at Tsinghua University, Beijing, China. Grant period: 10/2012-12/2012
- German Academic Exchange Service (DAAD), master stipend for studies at Chinese Foreign Affairs University, Beijing, China. Grant period: 2/2010-7/2010
- Haniel Foundation, Go-East stipend for research at Chinese European International Business School, Shanghai, China. Grant period: 7/2009-10/2009
- Frankfurt School Alumni Association, travel grant to attend Harvard Project for Asian and International Relations, Seoul, Korea. Grant period: 8/2009
- German Academic Exchange Service (DAAD), bachelor stipend for industry internship, Wuxi, China. Grant period: 2/2006-4/2006

List of publications

Articles in peer-reviewed journals (Google Scholar: 1577 citations, h/i10 index: 8)

- Boeing, P., Eberle, J., Howell, A. 2022. [The Impact of China's R&D Subsidies on R&D Investment, Technological Upgrading and Economic Growth](#). *Technological Forecasting and Social Change* **174**, 121212.
- Boeing, P., Wang, Y. 2021. [Decoding China's Covid-19 "Virus Exceptionalism": The Community-based Digital Contact Tracing in Wuhan](#). *R&D Management* **51**, 339-351.
- Boeing, P., Huenermund, P. 2020. [A Global Decline in Research Productivity? Evidence from China and Germany](#). *Economics Letters* **197**, 109646.
- Boeing, P., Mueller, E. 2019. [Measuring China's Patent Quality: Development and Validation of ISR Indices](#), *China Economic Review* **57**, 101331.
- Rong, Z., Wu, X., Boeing, P. 2017. [The Effect of Institutional Ownership on Firm Innovation: Evidence from Chinese Listed Firms](#), *Research Policy* **46**, 1533-1551.
- Boeing, P. and Mueller, M. 2016. [Measuring Patent Quality in Cross-country Comparison](#), *Economics Letters* **149**, 145-147.
- Boeing, P. 2016. [The Allocation and Effectiveness of China's R&D Subsidies—Evidence from Listed Firms](#), *Research Policy* **45**, 1774–1789.
- Boeing, P., Mueller, M., Sandner, P. 2016. [China's R&D Explosion—Analyzing Productivity Effects Across Ownership Types and Over Time](#), *Research Policy* **45**, 159-176.

Discussion papers and revise & resubmit

- Boeing, P., Brandt, L., Dai, R., Lim, K, Peters, B. 2024. [The Anatomy of Chinese Innovation: Insights on Patent Quality and Ownership](#). University of Toronto, Department of Economics Working Paper 770.
- Boeing, P., Peters, B. 2024. [The Misuse of China's R&D Subsidies: Estimating Treatment Effects with One-sided Noncompliance](#). ZEW Discussion Paper, No. 24-077.
- Boeing, P., Mueller, E. 2024. [Global Influence of Inventions and Technology Sovereignty](#). ZEW Discussion Paper, No. 24-024. 2nd revise & resubmit with *Research Policy*.

Policy reports and expertise

- Boeing, P., Mueller, E. 2024. [Global Influence of Inventions and Technology Sovereignty](#). ZEW Policy Brief No. 24-01, Mannheim.
- Boeing, P., Peters, B. 2021. [A New China Shock? The Untold Story of China's R&D Subsidies](#), ZEW Expert Brief No. 21-10, Mannheim.
- Boeing, P., Huenermund, P. 2020. [More R&D, Less Growth? China's Decreasing Research Productivity in International Comparison](#). ZEW Policy Brief, No. 20-08, Mannheim, 2020.
- Boeing, P. 2020. [Innovative China: R&D Subsidies, Patent Measures, and Productivity Returns](#). ZEW Expert Brief, No. 20-15, Mannheim, 2020.
- Duerr, N., Rammer, C., Boeing, P. [Direct Investment between Germany and China from an Innovation Policy Perspective](#) (in German), *Commission of Experts for Research and Innovation (EFI)*, contribution to the [EFI Report 2020](#). Berlin, 2020.
- Boeing, P. 2020. [Chinas Innovationspolitik – Implikationen für Deutschland](#), in: VDMA und IMPULS-Stiftung, Fünftes Ordnungspolitisches Kolloquium: Erfordert der Systemwettbewerb mit China eine neue Industriepolitik, Frankfurt am Main, 10-11, 2020.
- Boeing, P. 2019 (consultant on innovation policy). [Innovative China: New Drivers of Growth](#). World Bank Group and Development Research Center of the State Council, The People's Republic of China. Washington, DC, 2019. (commentary on the report by [The Economist](#)).
- Boeing, P., Licht, G. 2015. [R&D Subsidies in the Chinese Economy](#), in: Sino-German Innovation Platform, Policy Briefs, German Federal Ministry of Education and Research, Berlin, 30-37.
- Boeing, P. 2015. [R&D, Patents, and Productivity, in: Innovation in China](#), in: ITB Infoservice, Vol. 10. Special Edition 08/15, German Federal Ministry of Education and Research, Bonn, 34-35, 2015.
- Sandner, P., Schaefer, V., Ebinger, A., Taing, S, Boeing, P., 2012. [Chinese Champions: Patente Made in China](#), Technische Universität München (TUM), Munich Innovation Group, Munich, 2012.

Contribution to edited volumes

- Boeing, P., Huenermund, P. 2023. 'Is There a Slowdown in Research Productivity? Evidence from China and Germany' in OECD, *Artificial Intelligence in Science: Challenges, Opportunities and the Future of Research*. Paris.
- Boeing, P. (2021) 'Innovative China: R&D Subsidies, Patent Measures, and Productivity Returns' in Klenk, J., Waschek, F. (eds.), *China's Role in a New World Order, Science,*

Trade and International Relations (in German). Baden-Baden, Tectum Publishers, pp. 33-50.

Current research projects (selection)

- Competition from China in the Product and Input Markets and Innovation in Germany; with [Stephen Ayerst](#) (IMF), [Loren Brandt](#) (University of Toronto), [Pierre Mohnen](#) (University of Maastricht, UNU-MERIT), [Markus Trunschke](#) (Hoover Institution, Stanford University)
- The Impact of Innovation Policy on Innovation in China; with [Loren Brandt](#) (University of Toronto), [Ruochen Dai](#) (Central University of Finance and Economics), [Kevin Lim](#) (University of Toronto), [Bettina Peters](#) (ZEW and University of Luxembourg)
- Patent Quantity, Quality and Policy: Evidence from Chinese Administrative Data, with [Xiaobo Zhang](#) (Peking University) and Ge Yin (University of International Business and Economics)

List of presentations

Invited seminars

- 2024 School of Economics and Management (University of Chinese Academy of Sciences). Max Planck Institute for the History of Science (Berlin). Department of Economics and Management (University of Luxembourg). Innovation Seminar (University of Hohenheim)
- 2023 Economics Department (University of Goettingen). Academia Sinica, Research Center for Humanities and Social Science (Taipei). Quantitative Economic Policy Seminar (Goethe University, Frankfurt). Academia Sinica, Institute of Economics: Chinese Economy Seminar Series (Taipei). National Chengchi University (Taipei).
- 2022 East Asia Institute (Ludwigshafen). University of Hong Kong. OECD Research Seminar. WIFO Research Seminar (Vienna). Quantitative Economic Policy Seminar (Goethe University, Frankfurt). Monitoring, Indicators & Impact Evaluation (European Commission – Joint Research Centre, Ispra). Innovation Economics Seminar (University of Chinese Academy of Sciences, Beijing).
- 2021 Taiwan Symposium on Innovation Economics and Entrepreneurship (Taiwan National University). International Economics, Government and Business (Copenhagen Business School). China Economics and Business (Julius-Maximilians University, Wuerzburg).
- 2020 China Center (Technical University Berlin). Applied Microeconomics and Organization Seminar (Goethe University and Frankfurt School, Frankfurt). Fraunhofer ISI (Karlsruhe). University of Duisburg-Essen (Duisburg)
- 2019 Organization, Strategy and Entrepreneurship (Maastricht University). Industrial Organization (Central University of Finance and Economics, Beijing). Trade (NSD) (Peking University). Innovation (Tokyo University). Economics (Gakushuin University, Tokyo). Policy (Chinese Academy of Science and Technology for Development, Beijing)
- 2018 Management (NSD) (Peking University, Beijing). Development (NSD) (Peking University, Beijing). Innovation and Entrepreneurship (SEM) (Tsinghua University, Beijing). Policy (Chinese Academy of Science, Beijing)
- 2017 China Economics and Business (Julius-Maximilians University, Wuerzburg). Economics and Technology (Mercator Institute for China Studies, Berlin)
- 2016 Policy (Chinese Academy of Science, Beijing). Development (NSD) (Peking University, Beijing)

- 2015 East-Asian Economics (University of Duisburg-Essen). Science and Technology (National Bureau of Statistics, Beijing). Economics (GIGA Institute, Hamburg). Innovation & Entrepreneurship (SEM) (Tsinghua University, Beijing). Development (NSD) (Peking University, Beijing). Management (Zhejiang University, Hangzhou), Policy (Chinese State Information Center, Beijing), Quantitative and Technical Economics (Chinese Academy of Social Science, Beijing)
- 2014 Melbourne Institute (Melbourne University). Chinese Students and Scholars Association (Mannheim University). Innovation & Entrepreneurship (SEM) (Tsinghua University, Beijing). Quantitative and Technical Economics (Chinese Academy of Social Science, Beijing). Trade (NSD) (Peking University, Beijing). Policy (Chinese State Information Center, Beijing)
- 2012 Economics (SEM) (Tsinghua University, Beijing). Economics (Chinese Foreign Affairs University, Beijing). Policy (Chinese State Information Center, Beijing). Innovation and Entrepreneurship (SEM) (Tsinghua University, Beijing). Public Policy (UNU-Merit, Maastricht). Economics (Frankfurt School). INNO-tec (Ludwig Maximilians University, Munich)
- 2011 Quantitative and Technical Economics (Chinese Academy of Social Science, Beijing). Policy (Chinese State Information Center, Beijing). Economics (Frankfurt School)

Conferences and workshops

- 2025 Europe, Asia and the Changing Global Economy (Hong Kong Monetary Authorities, European Central Bank, Bank of Finland, Hong Kong)
- 2024 Modern China Research (BMBF/DLR). 10th ZEW/MaCCI Conference on the Economics of Innovation and Patenting (Mannheim). NBER Chinese Economy Working Group Meeting (Liaoning University, Shenyang)
- 2022 9th ZEW/MaCCI Conference on the Economics of Innovation and Patenting (Mannheim). AIEA-NBER Conference (KAIST, Seoul). Chinese Economic Society (Guizhou University)
- 2021 Asia Pacific Innovation Conference (Jiangsu University, Nanjing). MEIDE (Universidad del Rosario, Bogota). DRUID (Copenhagen Business School). Annual Meeting of the German Economic Association (VfS) (University of Regensburg). Eu-SPRI (Oslo)
- 2020 Governance and Emerging Technological Change in China, IN-EAST (University of Duisburg-Essen)
- 2019 ZEW-FDZ-Data User Workshop (Mannheim), 8th ZEW/MaCCI Conference on the Economics of Innovation and Patenting (Mannheim)
- 2018 Reform and Opening of China's S&T and Innovation System: 1978-2018 (Chinese Academy of Science, Beijing). Beijing Humboldt Forum (University of International Business and Economics, Beijing)
- 2017 Recent Research on Innovation and Entrepreneurship in China and Europe (ZEW, Tsinghua University, Beijing). 4th International Consortium for China Studies (Peking University, ZEW, Mannheim). Entrepreneurship, Innovation and Development (Stockholm School of Economics, Peking University, Beijing). Economics of Innovation and Patents (ZEW, Mannheim). Annual Meeting American Economic Association (Chicago)
- 2016 Confucian Institute (Goethe University, Frankfurt). 3rd International Consortium for China Studies (Fudan University, Shanghai). Annual Meeting Chinese Economist Society Europe/UK (University of Duisburg-Essen). Development, Trade, and Investment (Peking University, Stockholm School of Economics, Stockholm). Koerber Foundation (Berlin). From Europe to China: Exploring new Frontiers in Economics of Innovation and

- Entrepreneurship (Tsinghua University, ZEW, Mannheim). To be an Innovative China: Risk, Institutions and Paths (University of Duisburg-Essen)
- 2015 Chinese-German Workshop on Innovation and High-tech Entrepreneurship (ZEW, Zhejiang University, Hangzhou). SEEK Conference (ZEW, Mannheim). Beijing Humboldt Forum (University of International Business and Economics, Beijing). 2nd International Consortium for China Studies (Oxford University). Chinese Economist Society, North America Conference (Ann Arbor). MEIDE conference by OECD, Worldbank, and UNU-Merit (New Delhi). German Association for Asian Studies – junior group meeting (Rothenfels)
- 2014 Asia Pacific Innovation Conference (University of Technology, Sydney). Annual Meeting of the German Economic Association (VfS) (Helmut Schmidt University, Hamburg). International Schumpeter Society (University of Jena). ZEW Economic Forum (Mannheim). Sino-German Innovation Platform (German Federal Ministry of Education and Research, Chinese Ministry of Science and Technology, Beijing). Institutions in the Development of East-Asia (University of Duisburg-Essen)
- 2013 Euro Asia Management Studies Association (University of Duisburg-Essen). Chinese Global Association (Jacobs University, Bremen). Annual Meeting of the German Economic Association (VfS) (University of Duesseldorf). Annual Meeting European Association for Research in Industrial Economics (University of Evora). Annual Meeting of the European Economic Association (University of Gothenburg). DRUID (ESADE, Barcelona). Spring Meeting Young Economists (University of Aarhus)
- 2012 Intangibles, Innovation Policy and Economic Growth (RIETI, Tokyo). GLOBELICS (Zhejiang University, Hangzhou). Annual Meeting of the German Economic Association (VfS) (Goettingen), International Workshop on Chinese Productivity (Tsinghua University, Beijing). DRUID (Copenhagen Business School). DRUID Academy (Cambridge University)
- 2011 Innovation: From Europe to China (Kiel Institute for the World Economy). Academy ASIA (Federal Center for Political Education, Munich). Innovation and Invention: China and Global Influences (Oxford University). DRUID Academy (University of Aalborg)

Teaching

Courses

- 2024 *Introduction to Econometrics*, 64h, Goethe University Frankfurt. Economics undergraduate lectures and tutorials. *Innovation in China: Applied Microeconomic Perspectives*, 30h, Goethe University Frankfurt. Economics graduate seminar incl. lectures, paper presentations, and term paper.
- 2023 *Economics of Innovation*, 28h, Georg-August University Goettingen. Economics graduate block seminar incl. lectures, paper presentations, and term paper.
- 2022 *Applied Empirical Methods*, 32h, Frankfurt School. Undergraduate lectures and tutorials. *Economics of Innovation*, 28h, Georg-August University Goettingen. Economics graduate block seminar incl. lectures, paper presentations, and term paper. *Innovation in China: Applied Economic Perspectives*, 30h, Goethe University Frankfurt. Modern East Asian Studies graduate seminar incl. lectures, Keun Lee (Seoul National University) guest lecture, paper presentations, and term paper.
- 2018 *Economics of Innovation*, 48h, Peking University. Elective graduate course in National School of Development and [Yenching Academy](#). Research-based course incl. lectures, World Bank guest lecture, paper presentations, and term paper

- 2016 *Business Economics – Innovation Made in China*, 44h, Frankfurt School. Elective course in Masters in Finance, Management, and International Business. Research-based multimodal teaching incl. lectures, moderated group work: case studies and paper presentations, final exam
- 2015 *Economics of Innovation and China's Development*, 44h, Frankfurt School. Elective course in Masters in Finance, Management, and International Business. Research-based multimodal teaching incl. lectures, individual coaching for development of research proposals, paper presentations, final paper
- 2014 *China's Economic Development*, 22h, Frankfurt School. Compulsory course in Asia Specialization in Master in International Business. Research-based multimodal teaching incl. lectures, case studies, student presentations, final exam
- 2013 *Innovation Management, Intellectual Property Rights*, 4h, Frankfurt School. Compulsory course in Master in International Business. Textbook-based lecturing
- 2012 *International Economics, Lectures on Trade Theory*, 22h, Frankfurt School. Compulsory course in Bachelor in Business Administration. Textbook-based lecturing

Seminars

- 2019 *Innovation Made in China: A Look from Germany*, 2h, ZEW. Master of International Business Faculty Program
- 2012 *Regional Integration*, 22h, Frankfurt School, Compulsory seminar in Bachelor in Business Administration. Co-discussion of paper presentations
- 2012 *Cultural Diversity in Asia and Europe*, 8h, Frankfurt School. Compulsory specialization seminar in Master in International Business. Co-discussion of paper presentations

Excursion

- 2011 *Research Excursion in China*, 2-weeks full time, Frankfurt School. Compulsory in Asia specialization in Master in International Business. Organization of the excursion and supervision of 20 students, incl. visits of government, academic, and business units in Beijing, Shanghai, and Anhui province

Executive lectures and panel discussions

- 2024 Mercator Science-Policy Fellowship-Program (Frankfurt am Main). China Institute Frankfurt and Chamber of Commerce and Industry Frankfurt: China's New Productive Forces: An Evidence-based Perspective (Frankfurt am Main). Bruegel, China Econ Network: Chinese Innovation: R&D Policy, Patent Quality, And Technology Sovereignty (Brussels). Friedrich Ebert Foundation: New Productive Forces and Overcapacity (Shanghai).
- 2023 Helmholtz: Innovation Infrastructure and Intellectual property rights in China (Berlin). ZEW: Innovation in China: an evidence-based perspective (Mannheim). Bruegel: To what extent can innovation and global economic dominance mitigate China's structural slowdown? (Brussels). Friedrich Naumann Foundation, China Plus: Outlook on China for 2023 (Hamburg).
- 2022 4th Exchange between MERICS and Economic Research Institutes on China's Economy and Economic Policy. German-Chinese Science Diplomacy (Ruhr University Bochum). Keynote at the 4th China Day of the Leibniz Association (Berlin). 3rd and 4th Exchange

between MERICS and Economic Research Institutes on China's Economy and Economic Policy (Berlin)

- 2021 IfW Kiel Institute: Global China Conversations (Kiel). Sino-German Center at Frankfurt School, Virtual Roundtable (Frankfurt). Leibniz Association/German Federal Parliament: Leibniz in the Bundestag (Berlin), 1st and 2nd Exchange between MERICS and Economic Research Institutes on China's Economy and Economic Policy (Berlin)
- 2020 Leibniz Association: Book a Scientist (Berlin)
- 2019 German Federal Parliament (Bundestag) Committee on Education, Research and Technology Assessment and Koerber Foundation (Berlin). Impuls Foundation (VDMA) "Colloquium on Regulatory Policy" (Eitville). Boehringer Ingelheim (Beijing)
- 2018 BASF Innovation Campus Shanghai (Shanghai). German Mechanical Engineering Industry Association (VDMA), China Summit (Shanghai)
- 2014 German Federal Ministry of Education and Research and Chinese Ministry of Science and Technology, Third German-Chinese Innovation Conference (Beijing). ZEW Economic Forum "China: A World Leader in Technology – Wishful Thinking or Reality?" (Mannheim)

Supervision and review

Students: 2 PhD, 5 MSc, 5 BSc and 8 interns

Referee for journals

CESifo Economic Studies, China: An International Journal, China Economic Review, Economics of Innovation and New Technology, Homo Oeconomicus, Industrial and Corporate Change, Journal of Marketing Research, Journal of Productivity Analysis, Journal of Product Innovation Management, Journal of Regional Science, Journal of Small Business Management, Quarterly Journal of Finance, Regional Studies, Research Policy, Review of Economics and Statistics, Science and Public Policy, Science, Scientometrics, Small Business Economics, Social Science Quarterly, Technovation, Technological Forecasting and Social Change, The European Journal of Finance, World Development

Further didactical and academic training

- 2024 Causal Inference I, II, III, Scott Cunningham (Baylor University)
- 2021 Difference-in-differences, Scott Cunningham (Baylor University)
- 2020 Causal Machine Learning, Michael Lechner (University of St. Gallen)
- 2018 Empirical Strategies, Xiaolan Lei (Peking University). The Chinese Economy: Reform and Development, Yiping Huang (Peking University)
- 2016 Cost and Production, Jan de Loecker (KU Leuven). Frugal Instrumental Variables, Francois Laisney (University of Strasbourg and ZEW). Tobit and Selection Models, Francois Laisney (University of Strasbourg and ZEW). Advanced Microeconomics, Yossi Spiegel (Tel Aviv University and ZEW)
- 2015 Advanced Empirical Methods in Environmental and Innovation Economics, ZEW-Summer Workshop for Young Economists, Mark Roberts (Pennsylvania State University), Antoine Dechezleprêtre (London School of Economics), Dirk Czarnitzki (KU Leuven). China Competences in Research and Academic Collaborations (ZEW, Mannheim)
- 2014 Academic Presentations (ZEW, Mannheim). Matching and Difference-in-Differences Estimators, Michael Lechner (University of St. Gallen). Linear Static and Dynamic Panel Data Models, Bettina Peters (ZEW, Mannheim)

- 2012 Competition and Innovation Ph.D. Summer School (KU Leuven and ZEW, Mamaris)
- 2011 Econometrics Summer School (London School of Economics). Economics of Innovation Ph.D. Summer School (Universidad Carlos III, Madrid)
- earlier Advanced Chinese Class (Fudan University, Shanghai). Case Study Competition on Strategic & Financial Performance (Siemens, Frankfurt). Summer School on M&A and Cross-Cultural Management (Ernst & Young, Stuttgart). Chinese Class (Tongji University, Shanghai)

Academic service

- 2025 Quantitative Economic Policy Seminar (Goethe University Frankfurt) host for: Paul Huenermund (Copenhagen Business School).
- 2024 Quantitative Economic Policy Seminar (Goethe University Frankfurt) host for: Kevin Lim (University of Toronto). Reception of delegation from Sun Yat-Sen University China at Goethe University Frankfurt. Participation in collaboration discussions with potential Chinese partner universities at ZEW. Reception of delegation from Chinese Academy of Social Science at ZEW. Reception of delegation from National Bureau of Statistics-Renmin University of China Research Data Center at ZEW. Academic visits in China, including the German Embassy in Beijing and Consulate Shenyang, World Bank, Peking University, Tsinghua University, Renmin University, University of the Chinese Academy of Sciences. Briefing of ZEW delegation to Beijing Humboldt Forum. Organization of delegate visit from China's University of International Business and Economics. Member of ZEW's Ethics Committee
- 2023 Reception of PRC's Consul General at ZEW. Membership in "China Horizons Experts Network" (European Union's Horizon Europe Research and Innovation Program)
- 2022 Professorial Appointment Committee at University of Chinese Academy of Sciences. PhD Committee at Maastricht University. Seminar host for: Loren Brandt (University of Toronto), Keun Lee (Seoul National University), Pietro Santoleri (European Commission, Joint Research Centre), Kyle Myers (Harvard Business School), Jinlin Li (Harvard Kennedy School), Yanbo Wang (University of Hong Kong), Guowei Dong (CBS). 3rd and 4th Exchange between MERICS and Economic Research Institutes on China's Economy and Economic Policy.
- 2021 Seminar host for: Po-Hsuan (Paul) Hsu (National Tsing Hua University). 2nd Exchange between MERICS and Economic Research Institutes on China's Economy and Economic Policy. Federal Ministry of Economics and Technology, Expert-Workshop on Digitalization and the Future of the Social Market Economy
- 2020 Referee for German Academic Exchange Service (DAAD)
- 2019 Science Forum, German Embassy China (co-organization). Referee for German Research Foundation (DFG). Referee for German Academic Exchange Service (DAAD)
- 2018 Peking University, World Bank Guest-Lecture (organization). Beijing Humboldt Forum, Domestic Chair of ZEW-Session: Market and Public Incentives to invest in Innovation, University of International Business and Economics, Beijing (co-organization). Co-referee for German Academic Exchange Service (DAAD)
- 2017 Workshop "Recent Research on Innovation and Entrepreneurship in China and Europe", ZEW, Tsinghua University, Beijing (co-organization). Conference "International Consortium for China Studies (ICCS)", Peking University, ZEW, Mannheim (organization)
- 2016 Workshop "From Europe to China: Exploring new Frontiers in Economics of Innovation and Entrepreneurship", Tsinghua University, ZEW, Mannheim (organization)

- 2015 Workshop “Sino-German Workshop on Innovation and High-tech Entrepreneurship”, ZEW, Zhejiang University, Hangzhou (funding application and co-organization). Membership application of ZEW, International Consortium of China Studies (ICCS) of National School of Development, Peking University (organization). ZEW Economic Policy Lecture by Yao Yang, Peking University, Dean National School of Development (organization)
- 2014 ZEW Visit by Wu Xiaobo, Zhejiang University, Dean School of Management (organization). ZEW Visit by Chinese Scientists, 5th Meeting of Nobel Laureates in Lindau (co-organization). ZEW Visit by Chinese State Information Center, China Economic Information Network (organization). Memorandum of Understanding with Zhejiang University, Hangzhou, China (co-organization). Conference of International Schumpeter Society, Session “Innovation in Emerging Economies – China” (organization). ZEW Economic Forum 2014 “China: A World Leader in Technology – Wishful Thinking or Reality?”, (co-organization). Organization of research seminars, ZEW Department for Economics of Innovation and Industrial Dynamics, 2014-2017

Internships

Six internships in industry, consulting and research. China and Germany, 2005-2010

Media

Auslandszeitschrift der Bundesrepublik, China.Table, CGTN, CNBC, Deutschland Funk, Deutsche Welle, Die Welt, Frankfurter Allgemeine Zeitung: Der Volkswirt, Hohenheimer China Dialog - Podcast, Neue Zürcher Zeitung, Neue Zürcher Zeitung am Sonntag, Wirtschaftswoche: Der Volkswirt, Web.de, Xinhua News Agency, ZDF heute, ZEW News, ZEW Podcast

Languages

German, English, Chinese

References

[Prof. Loren Brandt](#), University of Toronto, Canada, Department of Economics. Research fields: Economic development and productivity, Economic history, Chinese economy. Top three journals: *American Economic Review*, *Econometrica*, *Journal of Political Economy*

[Prof. Pierre Mohnen](#), Maastricht University and UNU-MERIT. Research fields: Microeconometrics of technical change, incl. measurement, determinants, effects and interrelationships of R&D, innovation, competition and productivity, and policy effectiveness. Top three journals: *American Economic Review*, *Journal of International Economics*, *Review of Economics and Statistics*

[Prof. Bettina Peters](#), Centre for European Economic Research (ZEW), Mannheim, Germany, Department Economics of Innovation and Industrial Dynamics and University of Luxembourg. Research fields: Productivity and employment effects of innovation, dynamics in firm innovation, internationalization of R&D activities. Top three journals: *RAND Journal of Economics*, *Review of Economics and Statistics*, *International Journal of Industrial Organization*

[Prof. Xiaobo Zhang](#), National School of Development, Peking University; Senior Research Fellow at the International Food Policy Research Institute (Washington, DC); Editor-in-Chief China Economic Review. Research fields: Chinese economy and development economics, including innovation and entrepreneurship. Top three journals: *The Journal of Political Economy*, *The Journal of International Economics*, *The Journal of Public Economics*