

1. First and last Name:

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| Timo Friedel | Mitze |
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2. Date of diploma giving access to doctoral studies in the country in which the diploma was obtained:

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| Date: 10/2002 | Country: Germany |
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3. Current status and affiliation:

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| Status: Economist / Researcher | Affiliation: RWI Essen |
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3. Motivation letter:

The topic of this year's ERSAs summer school is highly interesting from the perspective of my own research agenda. For some years I am working in the field of regional policy evaluation, where a profound analysis of the effectiveness and efficiency of regional infrastructure projects is a prominently addressed research question. Looking at the list of topics covered at this year's summer school, I especially appreciate its variety ranging from (single project) cost-benefit analysis to (macroeconomic) modeling of productivity effects. Especially the use of spatial econometrics is a highly interesting part of the summer school, which also takes an important part in my current research work. Finally, also the application of Spatial CGE models seems to be very interesting, since here I could extend my modeling background. The general form of the summer school as a mixture of lectures and hands on training looks very attractive to me, especially since I know some of the lecturers from my earlier participation in (ERSA) conferences.

4. Scientific CV:

See last Page

5. Short description of previous and current research work:

Since my university graduation in 2002 I am working in the field of regional modeling and regional policy evaluation. One of my major research interests is the construction and application of regional macroeconomic models. I have particular experience in doing impact analysis of the EU structural funds using the HERMIN modeling framework. I am currently about to finish my Doctoral Studies dealing with regional modeling issues using Panel Data models. Here I am especially interested in applying static and dynamic simultaneous error component models with Panel data, spatial models for Panel data as well as methodological and applied work in the field of Panel time series econometrics. One of the future challenges for my own research work is to put forward modeling issues in the field of "Global Cointegration" as combination of within cross-section time-series Cointegration and between cross-section spatial Cointegration. Due to my job position at the RWI Essen (Department Enterprises and Innovation) my future research will also heavily deal with the (policy) analysis of innovative Clusters. Here I plan to further apply recent advances in the field of microeconometrics (Matching Moments, Difference-in-Difference Model etc.)

6. Short description of career plans:

As described above I am currently about to finish my Doctoral Studies at the University in Bochum (approximately Autumn 2010). My current work at the RWI Essen as public research institution also allows me to further advance in my scientific career (habilitation thesis). Here I am also in charge of coordinating the interim evaluation of a large scale policy programme of the German Federal ministry of Research and Education (the so called "Spitzencluster-Wettbewerb", Clusters of Excellence). The coordination and conduct of policy programme evaluation is one field of scientific activity for which I have high preferences in my future career plans – both from a economic consulting as well as research perspective. Especially being an economic advisor for European Policy issues is a challenging and highly interesting task for my future career plans.

7. Name and email address of doctoral / PhD supervisor:

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| Name: Prof. Dr. Helmut Karl | E-Mail: Helmut.Karl@ruhr-uni-bochum.de |
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8. Name and address of two researchers who are willing to write a letter of recommendation (may include the doctoral / PhD supervisor):

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| Prof. Dr. Helmut Karl Ruhr-Universität Bochum Fakultät für Wirtschaftswissenschaft Lehrstuhl für Wirtschaftspolitik III Gebäude GC 3/154 44780 Bochum | Prof. Dr. Christoph M. Schmidt Rheinisch-Westfälisches Institut für Wirtschaftsforschung (RWI) Essen Hohenzollernstr. 1-3 45130 Essen |
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9. Title and abstract of the intended presentation:

The impact of Regional Equalization Payments on Growth and Convergence: Evidence from a Dynamic Simultaneous Equation Model with Panel Data

Abstract: Starting with a Monte Carlo Simulation exercise about the finite sample properties of dynamic simultaneous equation models (DSEM) with Panel data, the paper then applies a DSEM to analyse the effects of regional equalization policy instruments on regional economic output and endogeneized private and public factor demand equations for Germany. By doing so we are able to identify the direct and indirect policy channels of regional equalization schemes, which are often left unidentified in single equation estimations. To give an example, though our empirical analysis strongly confirms recent findings of a negative direct output effect of the German interstate/federal fiscal equalization transfer scheme (Länderfinanzausgleich) via its 'horizontal' (state-to-state) element, the additional analysis of the structural factor input equations reveals, that the 'vertical' (federal-to-state) transfer element contributes positively to the public sector investment rate. And the latter in turn is estimated to have a positive effect on regional output as well. Similarly we search for direct and indirect effects of the private sector investment promotion schemes, public infrastructure projects as well as active labour market spendings.

**EUROPEAN
CURRICULUM
VITAE
FORMAT**



| PERSONAL INFORMATION | |
|--|---|
| Name | Timo Friedel Mitze |
| Address | Rüttenscheider Str. 129, D-45130 Essen |
| Telephone | ++49-(0)2 01 – 80 66 79 06 |
| Fax | ++49-(0)2 01 – 81 40 200 |
| E-Mail | Mitze@rwi-essen.de |
| Nationality | German |
| Date of Birth | 4. Mai 1977 |
| Family Status | Married with Karla Mitze, 2 Children (Anna Luisa and Jonathan Tiago) |
| WORK EXPERIENCE | |
| Date (from – until) | 04/ 2009 – Actual |
| Name and address of employer | RWI – Rheinisch Westfälisches Institut für Wirtschaftsforschung Hohenzollernstr. 1-3, 45130 Essen |
| Type of business or sector | Public Research Institute |
| Position | Researcher |
| Main activities and responsibilities | Fields of interest: <ul style="list-style-type: none"> • Regional economics / NEG • Panel Econometrics • Macroeconometric modelling • Empirical Policy Evaluation |
| Date (from – until) | 2003 – 2009 (from 2006 part time due to a PhD scholarship) |
| Name and address of employer | Gesellschaft für Finanz und Regionalanalysen (GEFRA) Münster, Ludgeristr. 56, 48143 Münster |
| Berufliche Position | Researcher |
| Date (from – until) | 2001 – 2002 |
| Name and address of employer | Institut für industriegewirtschaftliche Forschung, University of Münster |
| Berufliche Position | Student Assistent |
| Date (from – until) | 2001 (two months) |
| Name and address of employer | Federal State Central Bank Niedersachsen, Bremen und Sachsen- Anhalt, Hannover |
| Berufliche Position | Internship in the Economic Department |
| EDUCATION AND TRAINING | |
| Date (from – until) | Since 09/2006 – Actual |
| Name and type of organization providing education and training | Ruhr-Universiy Bochum |
| Principal subjects/occupational skills covered | Doctoral Studies in Economics, Field: Regional Econometric Modelling with Panel Data |

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| Date (from – until) Name and type of organization providing education and training Principal subjects/occupational skills covered | 2007 (Summerschool) EcoMod Modelling Network / Free University Brussels Modelling School „Dynamische Makroökonomische Modellierung mit TROLL“, Brüssel |
| Date (from – until) Name and type of organization providing education and training Principal subjects/occupational skills covered | 2007 (two months) Centro de desinvolvimento e planejamento regional (CEDEPLAR), Federal University of Minas Gerais, Brasil Doctoral Studies, Field: Trade and Directinvestments |
| Date (from – until) Name and type of organization providing education and training Principal subjects/occupational skills covered Title of qualification awarded | 1997 – 2002 University of Münster / Germany Macroeconomics, International Economics, Monetary Economics Bachelor of Science (BSc) in Economics, 2001 (Title: “Ethics and Economics: An Economic Theory of Moral Behaviour”, betreut durch Prof. Martin Dufwenberg, Universität Stockholm) Diplom-Volkswirt (equiv. MSc in Economics), 2002 (Title: “Forecasting the EMU inflation rate: A fuzzy rule-based approach with GENEFER compared to mainstream econometrics”, betreut durch Prof. Gustav Dieckheuer, Universität Münster) |
| Date (from – until) Name and type of organization providing education and training Principal subjects/occupational skills covered | 2000 – 2001 (zwei Semester) University of Stockholm, Sweden ERASMUS Student at the Economics Department |
| GRANTS | |
| Date (from – until) | 09/2006 – 04/2009: Grant for Doctoral Studies from the „Evangelischen Studienwerks Villigst e.V.“ on behalf of the Federal Ministry of Research and Education 2003: Alfred-Müller-Armack Award of the Economics Department at the University of Münster for an outstanding Diploma Thesis der 2000 - 2001: ERASMUS Scholarship of the European Union |
| PERSONAL SKILLS | |
| Software Mother tongue Other Languages (high, medium, basic) Reading Writing Verbal Social Skills and Competences | Stata, Eviews, TSP, Microfit, TROLL, WinSolve, RegioGraph, Latex, Microsoft Office Deutsch English Portugues French high high Medium high medium Basic high high Basic Living in a German/Brazilian marriage and family; voluntary translator for German/Portugues Plan international Children’s Fund |

| SCIENTIFIC WORK | |
|--------------------------------|---|
| <p>Work in Progress</p> | <p>„Essays in Panel Data Econometrics with Applications to Regional Macroeconometric Modelling of the German Economy“, Doctoral Thesis, Ruhr-University Bochum</p> <p>„ICT and Regional Growth in the German NUTS-2 region of Upper Bavaria“, case study for the EU Project “The knowledge economy, economic transformations and ICT in the EU25+: Regional dynamics in the development phase” für das Institute for Projective Technological Studies of the European Commission’s joint Research Centre (mit Untiedt, G.)</p> <p>“Heterogeneity in Regional Consumption due to Current Income Shocks: Testing the Permanent Income Hypothesis for German Panel Data”, Working Paper</p> <p>“Do Public Subsidies Add to Private Sector R&D Activity? Microeconomic Evidence for Regional Innovation Policy in East Germany”, Working Paper</p> <p>“R&D-Induced (Sectoral) Growth: Empirical Evidence and Policy Implications”, Working Paper.</p> <p>“The Role of Network Autocorrelation in Modelling German Internal Migration: Spatial Filtering versus Spatial Regression for Dynamic Panel Data Models”, Working Paper</p> <p>“Analysing the growth effects of Regional Policy Instruments at the national and EU Level”, Working Paper.</p> |
| <p>2010</p> | <p>„Internal Migration, Regional Labour Market Dynamics and Implications for German East-West Disparities – Results from a Panel VAR”, in: Jahrbuch für Regionalwissenschaften / Review of Regional Science (forthcoming, with Alecke, B.; Untiedt, G.)</p> |
| <p>2009</p> | <p>„Internal Migration, Regional Labour Market Dynamics and Implications for German East-West Disparities – Results from a Panel VAR”, Ruhr Economic Papers No. 86</p> <p>“Endogeneity in Panel Data Models with Time-Varying and Time-Fixed Regressors: To IV or not IV?”, Ruhr Economic Papers No. 83</p> <p>„Trade-FDI Linkages in a System of Gravity Equations for German Regional Data”, Ruhr Economic Papers No. 84 (with Alecke, B.; Untiedt, G.)</p> |
| <p>2008</p> | <p>„Trade, FDI and Cross-Variable Linkages: A German (Macro-)Regional Perspective”, MPRA Paper 12245 (with Alecke, B.; Untiedt, G.)</p> <p>„Stärkung des Forschungsstandorts Ostdeutschland durch steuerliche Anreize“, BBR Onlinepublikation No. 07/2008 (with Alecke, B.; Untiedt, G.)</p> <p>„Der deutsche Außenhandel mit den neuen EU-Mitgliedsländern aus Mittel- und Osteuropa: Ein Überblick“, in: Osteuropa-Wirtschaft 3/2008 (with Alecke, B.; Untiedt, G.)</p> |
| <p>2007</p> | <p>„Dynamic Simultaneous Equation Error Component Models (DSEM-EC) Monte Carlo Simulations & Empirical Application to Regional Policy Analysis in a Growth Model Framework for German States”, paper presented at the DIW Macroeconometric Workshop, December, Berlin, the XIII. Spring Meeting of Young Economists (SMYE), April, Lille and the ERSA congress, August, Liverpool</p> <p>“The COHESION system of HERMIN country and regional models: Description and operating manual”, Preparatory studies for the fourth cohesion report, European Commission, DG Regio, Project-No. 2006 CE.16.0.AT.035 (with Bradley, J.; Untiedt, G.).</p> |
| <p>2006</p> | <p>“The Role of Regional Transfers for the “Aufbau Ost”: A Macro Impact Analysis with Special Focus on the Industrial Sector Performance”, paper presented at the DIW Macroeconometric Workshop, 29.-30. November, Berlin; (with Bradley, J.; Untiedt, G.)</p> <p>“Cohesion in Germany: Implementation and Evaluation of Structural Funds in East Germany”, Arbeitspapier, Juni 2006, (mit Untiedt, G.)</p> |

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| | <p>„Auswirkungen der EU-Osterweiterung auf Wachstum und Beschäftigung in Deutschland und ausgewählten EU-Mitgliedstaaten. Bisherige Erfahrungen und künftige Entwicklungen unter besonderer Berücksichtigung der EU-Beitritte Bulgariens und Rumäniens“, Mitarbeit am Gutachten im Auftrag des Bundesministeriums für Wirtschaft und Technologie, veröffentlicht als: IAB Bibliothek Nr. 311 (with Untiedt, G.; Alecke, B.; Baas, T.; Biffl, G.; Brücker, H.; Fritz, O.; Gardiner, B.; Hönekopp, E.; Huber, P.; Lamour, P.)</p> <p>„Die Auswirkungen der zukünftigen Erweiterungen auf die EU-Regionalpolitik: Berechnungen und Erläuterungen zur zukünftigen Verteilung der Strukturfonds“, GEFRA Working Paper (with Untiedt, G.)</p> <p>„Wissenschaftliche Begleitung und Beratung bei der Programmierung des Einsatzes der EU-Fonds in den Jahren 2007-2013 und bei der Bewertung der Wirkungen der einzelnen Fördermaßnahmen des Landes Sachsen-Anhalt“, Mitarbeit am Gutachten im Auftrag der Staatskanzlei Sachsen-Anhalt.</p> <p>„Evaluierung der Förderprogramme im Freistaat Thüringen“, Mitarbeit am Gutachten im Auftrag des Thüringer Ministeriums für Wirtschaft, Technologie und Arbeit.</p> |
| 2005 | <p>„An Integrated Micro-Macro (IMM) approach to the evaluation of large-scale public investment programmes: The case of EU Structural Funds“, Working Paper No. 167, Economic and Social Research Institute (ESRI), (with Bradley, J.; Morgenroth, E.; Untiedt, G.)</p> <p>„Evaluierung der Förderung von Verbundprojekten im Bereich Forschung und Entwicklung im Freistaat Thüringen“, Gutachten im Auftrag des Thüringer Ministeriums für Wissenschaft, Forschung und Kunst.</p> |
| 2004 | <p>„Forecasting the EMU Inflation Rate: Linear Econometric vs. Non-Linear Computational Models Using Genetic Neural Fuzzy Systems“, in: Advances in Econometrics, Vol. 19, Applications of Artificial Intelligence in Finance and Economics, S. 145 – 174, (with Kooths, S.; Ringhut, E.)</p> <p>„Modellgestützte Analyse der gesamtwirtschaftlichen Wirkungen der europäischen Strukturfondsförderung in Sachsen-Anhalt 2000 – 2006“, Mitarbeit am Gutachten im Auftrag der Staatskanzlei Sachsen-Anhalt.</p> <p>„Evaluierung des Einsatzes von Fördermitteln im Rahmen der GA ‚Verbesserung der regionalen Wirtschaftsstruktur‘ in den Jahren 1997 – 2002 in Thüringen“, Mitarbeit am Gutachten im Auftrag des Thüringer Ministeriums für Wirtschaft, Arbeit und Infrastruktur.</p> |
| 2003 | <p>„Inflation Forecasting – A Comparison between Econometric Methods and a Computational Approach based on Genetic-Neural Fuzzy Rule-Bases“, in: Proceedings of the International Conference on Computational Intelligence for Financial Engineering, Hong Kong, (with Kooths, S.; Ringhut, E.)</p> <p>„Forecasting the EMU Inflation Rate - Linear Econometric Versus Non-Linear Computational Models“, in: Arabnia, H. R.; Joshua, R.; Mun, Y. (Hrsg.): Proceedings of the International Conference on Artificial Intelligence (IC-AI 2003), Las Vegas, S. 568–574, (with Kooths, S.; Ringhut, E.)</p> <p>„Das Handelsvolumen der ostdeutschen Bundesländer mit Polen und Tschechien im Zuge der EU-Osterweiterung: Ergebnisse auf Basis eines Gravitationsmodells“, in: Vierteljahreshefte zur Wirtschaftsforschung, DIW, No. 4/2003, S. 565 – 579, (with Alecke, B.; Untiedt, G.)</p> <p>„Halbzeitbewertung des gemeinschaftlichen Förderkonzeptes 2000-2006 für den Einsatz der Strukturfonds in den neuen Bundesländern und im Ostteil Berlins“, Mitarbeit am Gutachten im Auftrag des Bundesministeriums für Finanzen, Berlin.</p> <p>„Halbzeitbewertung des Operationellen Programms des Freistaates Thüringen für den Einsatz der Europäischen Strukturfonds 2000-2006“, Mitarbeit am Gutachten im Auftrag des Thüringer Ministeriums für Wirtschaft, Arbeit und Infrastruktur.</p> |

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| 2002 | “Forecasting the EMU Inflation Rate - A Fuzzy Rule-Based Approach with GENEFER Compared to Mainstream Econometrics”, MICE Economic Research Studies No.1, Muenster Institute for Computational Economics (MICE) |
| Conference Presentations | |
| | <ul style="list-style-type: none"> • ZEW-IAB Workshop „Spatial Dimensions of the Labour Market“, 23. – 24. November 2009, Mannheim • 57. Annual North American Meetings of the Regional Science Association International, 18. – 21- November 2009, San Francisco • 6. IWH-IAB Workshop on Labour Market Politics „20 Jahre Arbeitsmarkt Ostdeutschland. – Erfahrungen und Perspektiven“, 29. - 30. October 2009, Halle (Saale) • 49. ERSA Congress, 25. – 29. August 2009, Lodz • 3. World Conference of the Spatial Econometric Association, 9. – 10. July 2009, Barcelona • Netherlands Network of Economics (NAKE) Research Day, 24. Oktober 2008, Utrecht • 2. RGS Doctoral Conference in Economics, 18.-19. September 2008, Essen • 48. ERSA Congress ERSA, 27. – 31. August 2008, Liverpool • sdw / Herbert-Quandt Stiftung, Akademie 2008 “Werkstatt Deutschland: Wo steht unsere Gesellschaft heute”, 11. – 17. August 2007, Wiesbaden • EcoMod International Conference on Policy modelling, 2. – 4. July 2008, Berlin • Ruhr-University Bochum, Research Seminar, Summer Term 2008, Bochum • XIII. Spring Meeting of Young Economists (SMYE), 17. – 19. April 2008, Lille • Ruhr-University Bochum, Research Seminar, Winter Term 2007/08, Bochum • DIW Macroeconometric Workshop, 2007, 6. – 7. December, Berlin • Netherlands Network of Economics (NAKE) Research Day, 26. Oktober 2007, Utrecht • XII. Spring Meeting of Young Economists (SYME), 23. – 25. Mai 2007, Hamburg • GLOWA DANUBE, ifo Workshop, 18 January 2007, Munich • DIW Macroeconometric Workshop, 30. November – 1. December 2006, Berlin |