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Date of birth: 5 March 1979
Place of birth: Wuppertal, Germany
Birth Name: Rohrbach
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CONTACT

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EDUCATION

02/2008 Ph.D. (Dr. rer. pol.) in Sociology, Faculty of Management, Economics and Social Sciences, the University of Cologne, Germany (summa cum laude)
Thesis title: Wissensgesellschaft und soziale Ungleichheit im Zeit- und Ländervergleich (Knowledge society and inequality in longitudinal and cross-national perspective).
Supervisors: Prof. Dr. H. Meulemann, Prof. Dr. H.-J. Andreß.

03/2004 M.A. in Sociology, Information Science, Media Science, Heinrich-Heine-Universität Düsseldorf.

06/1998 Abitur, Gymnasium August - Dicke - Schule, Solingen, Germany.

THESIS SUMMARY

The thesis is on the longitudinal and cross-national development of knowledge societies and social inequality. Firstly, the study aims at conceptualizing the knowledge society, and empirically testing the hypothesis of a change of modern societies towards knowledge societies in a comparative perspective. Secondly, it analyzes the consequences from that structural change on inequality: The hypothesis of a strengthening of the meritocratic principle on the one hand, and the hypothesis of lower inequality on the other hand, are tested for their validity in 20 OECD countries. The study follows a variable oriented method and uses a most-similar system design exploiting multilevel analysis. The quantitative secondary data analyses of national accounts data, other country-level data, as well as individual-level data from 20 OECD countries over the years 1970 to 2002 reveal the following: Firstly, it is demonstrated that there is indeed an ongoing change towards knowledge societies. In no country, however, the knowledge sector represents the most significant share in the total economy. Secondly, it becomes obvious that this structural change, on average, goes in hand with a devaluation of formal education but with income improvements for people with high educational degrees. Thirdly, controlling for globalization, demographic shifts, as well as skill supply, aggregate data analyses reveal that inequality is fostered with rising importance of the knowledge sector. Thus, we should not expect that inequality is declining necessarily with development, nor should we expect that modern societies are characterized by an increasing importance of education for income or even a meritocratic closure.

The project was co-funded by the 'Graduiertenstipendium' of the University of Cologne. The author is deeply grateful for the funding. The thesis was published as a monograph in September 2008 by the VS Verlag für Sozialwissenschaften.

WORK EXPERIENCE

- Since 4/2008* Senior researcher at the Research Data Centre of the Federal Institute for Vocational Education and Training (BIBB), Bonn, Germany
- 04/2004 – 03/2008* Research fellow at the Research Institute for Sociology (FIS) (former Institute for Applied Social Research), Seminar for Sociology, University of Cologne, Germany
- 10/2002–03/2004* Research assistance for Prof. Heiner Meulemann. Literature searches, statistical analyses, preparation of lecture slides, University of Cologne, Germany
- 09/1999–03/2002* Research assistance at the Media Research Department, Deutschen Welle, Cologne, Germany
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TEACHING EXPERIENCE

- Spring 2010* BA-Seminar: Education and Occupation, University of Cologne
- Fall 2009/2010* BA-Seminar: Education and Occupation, University of Cologne
- January 2009* Multilevel Analysis, one-day course at BIBB
- Fall 2007/2008* Seminar Knowledge Society, University of Cologne
- Spring 2007* Research Methodology (ebd.)
- Fall 2006/07* Course in Statistical Data Analysis on International Comparative Survey Analysis Using the International Social Survey Programme (ebd.)
- Spring 2006* Proseminar Knowledge Society (Reading course) (ebd.)
- Fall 2005/06* Course in Statistical Data Analysis 'Age of Professions?' Application-oriented analyses of knowledge societies (using SPSS and data from ISSP 1999) (ebd.)
- Spring 2005* Hauptseminar (with Prof. Dr. Heiner Meulemann) Education (ebd.)
- Fall 2004/05* Course in Statistical Data Analysis (with Tilo Beckers) International Comparative Survey Research (using SPSS and data from ISSP 1992 & 1994) (ebd.)
- Spring 2004* Proseminar Inequality in the Knowledge Society (ebd.)
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PUBLICATIONS

Refereed articles

- ROHRBACH-SCHMIDT, Daniela, 2011: Guest editorial note. Introduction to the contributions of the thematic issue. *Empirical Research in Vocational Education and Training*, Vol. 1(3), 2011, 1-3.
- ROHRBACH-SCHMIDT, Daniela (together with Michael TIEMANN), 2011: Mismatching and job tasks in Germany - rising over-qualification through polarization? . *Empirical Research in Vocational Education and Training*, Vol. 1(3), 2011, 39-53.
- ROHRBACH-SCHMIDT, Daniela (together with Holger ALDA), 2010: New Data and Services for Vocational Education and Training Research Research Data Centre of the

Federal Institute of Vocational Education and Training (BIBB-FDZ). *Schmollers Jahrbuch* 130(2), 253-267.

ROHRBACH-SCHMIDT, Daniela (together with Michael TIEMANN), 2010: (Mis-)Matching in Deutschland Eine Analyse auf der Basis formaler Qualifikationen und Fähigkeiten von Erwerbstätigen. *Berufsbildung in Wissenschaft und Praxis*, 1, 2010, S. 34-38.

ROHRBACH, Daniela, 2009a: Sector Bias and Sector Dualism: The Knowledge Society and Inequality. *International Journal of Comparative Sociology* Vol 50, Nr. 5-6, Oktober - Dezember, S. 510-536.

ROHRBACH, Daniela, 2007: The development of knowledge societies in 19 OECD countries between 1970 and 2002. *Social Science Information* Vol. 46, No 4, December 2007, S. 655-689.

Monographs

ROHRBACH, Daniela, 2008c: Wissensgesellschaft und soziale Ungleichheit. Ein Zeit- und Ländervergleich. Wiesbaden: VS Verlag für Sozialwissenschaften.

Articles in books

ROHRBACH-SCHMIDT, Daniela (together with Michael TIEMANN), 2011: Qualification and skill-based mismatching in Germany. Erscheint in: Green, F. und M. Keese (Hrsg.): *Job tasks, work skills and the labour market*, Paris.

ROHRBACH-SCHMIDT, Daniela, 2010: The Knowledge Sector and Income Inequality. P. 93-122 in: Suter, Christian (Hrsg.): *Inequality beyond Globalization. Economic Changes, Social Transformations, and the Dynamics of Inequality*. Wien u.a. LIT Verlag.

ROHRBACH-SCHMIDT, Daniela, 2010: Leistung und Zuschreibung in der Wissensgesellschaft. P. 285-307 in: Beckers, T., Birkelbach, K. W., Hagenah, J., Rosar, U. (Hrsg.): *Komparative empirische Sozialforschung. Anwendungsfelder und aktuelle Methoden in Best Practice-Studien*. Wiesbaden: VS Verlag für Sozialwissenschaften.

ROHRBACH, Daniela, 2008: Die Entwicklung der Wissensgesellschaft im Zeit- und Ländervergleich. P. 87-101 in: Raabe, Johannes, Rudolf Stöber, Anna M. Theis-Berglmair, und Kristina Wied (Hg.): *Medien und Kommunikation in der Wissensgesellschaft*. Konstanz: UVK (2008).

Conference Papers and Papers under Review

ROHRBACH, Daniela, ALDA, Holger, 2009: Marginal employment: Skill requirements and competitive conditions in industries. Paper presented at *The Low Pay, Low Skill, and Low Income (LOPSI) Cross-cutting Workshop* organised by EQUALSOC Network of Excellence and LoWER Network, 26.-27. June 2009, Milan, Italy and the *European Survey Research Association (ESRA)* conference, 29. June -03. July 2009, Warsaw, Poland. (Under review)

ROHRBACH, Daniela, 2008: Meritocratic Knowledge Societies? Returns to education in longitudinal and cross- national perspective. (Under review).

ROHRBACH, Daniela, ALDA, Holger, 2009b: Imputation fehlender Werte bei der Einkommensvariablen in der BIBB/BAUA-Erwerbstätigenbefragung 2006. Unpublis-

hed manuscript.

ROHRBACH, Daniela, 2009a: Knowledge Society and the returns to VET for individuals. A multilevel analysis of the German labor force. Paper presented at the *Effectiveness of Learning and Efficiency in VET Systems – Interdisciplinary Congress on Research in Vocational Education and Training*, 25.-27. March 2009, Zollikofen, Switzerland.

ROHRBACH, Daniela, 2008e: Knowledge Societies and Stratification: Education and Income in the Transition Process. Paper presented at the International Sociological Association (ISA) Forum Sociological Research and Public Debate, 05.-08. September 2008, Barcelona, Spain.

ROHRBACH, Daniela, 2008f: Sector Bias and Sector Dualism: The Knowledge Society and Inequality. Paper presented at the International Sociological Association (ISA) Research Committee on Economy and Society (RC02) conference on Inequality beyond Globalization: Economic Changes and the Dynamics of Inequality, 26.-28. June 2008, Neuchâtel, Switzerland.

ROHRBACH, Daniela, 2008g: Meritocratic Knowledge Societies? Returns to Education in Comparative Perspective. Paper presented at the International Sociological Association (ISA) Research Committee on Social Stratification and Mobility (RC28) spring meeting on Insiders / Outsiders: Cross-national Comparisons within and between Countries, 15.-16. May 2008, Florence, Italy.

ROHRBACH, Daniela, 2007: Inequality Trends of Knowledge Societies. Paper presented at the International Sociological Association (ISA) Research Committee on Social Stratification and Mobility (RC28) spring meeting on Social Inequality and Mobility in the Process of Social Transformation, 24.-27. Mai 2007, Brno, Czech Republic.

ROHRBACH, Daniela, 2007: Income Inequality Trends of Knowledge Societies: Evidence from 19 OECD Countries, 1970 to 2002. Paper presented at the European Science Foundation (ESF) Quantitative Methods in the Social Sciences (QMSS) conference, 20.-23. June 2007, Prague, Czech Republic.

ROHRBACH, Daniela, 2006: The Development Towards the Knowledge Society and Its Consequences For Stratification. Paper presented at the European Consortium for Sociological Research (ECSR) Summer School Integrating Sociological Theory and Research in Europe. Quality and Inequality in Education: Theory, Research, and Policy (reviewer Prof. Robert M. Hauser, University of Wisconsin-Madison, USA), 25.-30. August 2006, Prague, Czech Republic.

ROHRBACH, Daniela, 2006: Knowledge Society and Inequality in Cross-National and Longitudinal Perspective. Paper presented at the Ph.D. Workshop Rethinking Inequalities of the 7th conference of the European Sociological Association (ESA), 7.-8. September 2005, Torun, Poland.

OTHER PUBLICATIONS

ROHRBACH-SCHMIDT, Daniela, 2010: BIBB-Schulabgängerbefragungen 2004-2006. BIBB-FDZ Daten- und Methodenbericht 2/2010. Bonn: BIBB-FDZ. URL: <http://www.bibb-fdz.de>.

ROHRBACH-SCHMIDT, Daniela, 2010: BIBB-Übergangsstudie 2006. BIBB-FDZ Daten- und Methodenbericht 1/2010. Bonn: BIBB-FDZ. URL: <http://www.bibb-fdz.de>.

ROHRBACH, Daniela, 2009: The BIBB/IAB- and BIBB/BAuA Surveys of the Working Population on Qualification and Working Conditions in Germany. Data and methods manual. Bonn: BIBB-FDZ. URL: <http://www.bibb-fdz.de>.

ROHRBACH, Daniela, 2009: BIBB-Schulabgängerbefragung 2006 Datenhandbuch. Bonn: BIBB-FDZ. URL: <http://www.bibb-fdz.de>.

AWARDS AND FELLOWSHIPS

06/2008 World Society Foundation (WSF) Award of Excellence Program for Research Papers on World Society 2008 at the Conference of the Research Committee on Economy and Society (RC02) of the International Sociological Association (ISA) in Neuchâtel, Switzerland (26.- 28.06.2008) on *Inequality Beyond Globalization: Economic Changes and the Dynamics of Inequality* for the paper *SSector Bias and Sector Dualism: The Knowledge Society and Inequality*.

06/2007 Funding of the European Science Foundation (ESF) for participating in the ESF-Programme "Quantitative Methods in the Social Sciences" QMSS-Conference 2007 , Prague, Czech Republic

09/2006 Funding of the European Science Foundation (ESF) for participating in the the course on *Models for Longitudinal and Incomplete Data* (held by G. Molenberghs, G. Verbeke) of the ESF-Programme "Quantitative Methods in the Social Sciences"(QMSS), Hasselt, Belgium

10/2005–09/2007 Doctoral Fellowship, University of Cologne

CONFERENCE PRESENTATIONS

03/2011 „Übergang von allgemeinbildenden Schulen in die Berufsausbildung - welche Daten stehen zur Verfügung und welches Potential haben sie?“, *Hochschultage Berufliche Bildung*, 23.03.-25.05.2011, Universität Osnabrück, Deutschland.

05/2010 „Mismatching and job tasks in Germany - rising overqualification through polarization?“, *BIBB/IAB-Workshop T.A.K.S.K.S.*, 17.05.-18.05.2010, IAB Nürnberg, Deutschland.

10/2009 „Leistung und Zuschreibung in der Wissensgesellschaft“, *Symposium Komparative empirische Sozialforschung aus Anlass des 65. Geburtstages von Univ.-Prof. Dr. Heiner Meulemann*, 29.10.-31.10.2009, University of Cologne, Germany.

07/2009 Marginal employment: Linking individuals with industries by firms, *European Survey Research Association (ESRA) Conference 2009*, 29. June -03. July 2009, Warsaw, Poland. (Together with Holger Alda).

06/2009 Marginal employment: Skill requirements and competitive conditions in industries, *The Low Pay, Low Skill, and Low Income (LOPSI) Cross-cutting Workshop* organised by EQUALSOC Network of Excellence and LoWER Network, 26.-27. June 2009, Milan, Italy. (Together with Holger Alda).

03/2009 Knowledge Society and the returns to VET for individuals. A multilevel analysis of the German labor force, *Effectiveness of Learning and Efficiency in VET Systems. Interdisciplinary Congress on Research in Vocational Education and Training*, 25.-27. March 2009, Zollikofen, Switzerland

- 02/2009 German BIBB-IAB- and BIBB-BAuA Surveys on Qualifications and Working Conditions and FreQueNz, Invitation by Cedefop and OECD, International Seminar on Measuring Generic Work Skills Using the Job Requirements Approach (JRA), 12.-13. February 2009, Thessaloniki, Greece
- 11/2008 Der Aufbau eines BIBB-FDZ: Zugangswege, Dokumentationen und Arbeitshilfen (together with Holger Alda), Expert meeting at the Federal Institute for Vocational Education and Training, Research Data Centre (BIBB-FDZ), 25. November 2008, Bonn, Germany
- 08/2008 Knowledge Societies and Stratification: Education and Income in the Transition Process, International Sociological Association (ISA) Forum of Sociology *Sociological Research and Public Debate*, 05.-08. September 2008, Barcelona, Spain
- 06/2008 Sector Bias and Sector Dualism: The Knowledge Society and Inequality, International Sociological Association (ISA) Research Committee on Economy and Society (RC02) Conference on *Inequality beyond Globalization. Economic Changes and the Dynamics of Inequality*, 26.-28. June 2008, Neuchâtel, Switzerland
- 05/2008 Meritocratic Knowledge Societies? Returns to Education in Comparative Perspective, International Sociological Association (ISA) Research Committee on Social Stratification and Mobility (RC28) Conference on *Social Stratification and Insiders / Outsiders: Cross-national Comparisons within and between Countries*, 15.-16. May 2008, Florence, Italy
- 06/2007 Income Inequality Trends of Knowledge Societies: Evidence from 19 OECD Countries between 1970 and 2002, European Science Foundation (ESF) *Quantitative Methods in the Social Sciences (QMSS) Conference*, 20.-23. June 2007, Prague, Czech Republic
- 05/2007 Inequality Trends of Knowledge Societies. International Sociological Association (ISA) Research Committee on Social Stratification and Mobility (RC28) conference on *Social Inequality and Mobility in the Process of Social Transformation*, 24.-27. May 2007, Masaryk Universität, Brno, Czech Republic
- 05/2007 Die Entwicklung der Wissensgesellschaft in länder- und zeitvergleichender Perspektive, Jahrestagung der Deutschen Gesellschaft für Publizistik und Kommunikationswissenschaft (DGPK) *Medien und Kommunikation in der Wissensgesellschaft*, 17.05, May 2007, Universität Bamberg, Deutschland
- 08/2006 The development towards the knowledge society and its consequences for stratification, European Consortium for Sociological Research (ECSR) Summer School Integrating Sociological Theory and Research in Europe (ISTAIRE) on *Quality and Inequality in Education: Theory, Research, and Policy*, 25.-30. August 2006, Prague, Czech Republic
- 09/2005 Knowledge society and inequality in cross-national and longitudinal perspective, European Sociological Association (ESA) Ph.D. Workshop *Rethinking Inequalities* during the 7th ESA conference, 7.-8. September 2005, Torun, Poland
- 01/2005 Multinomiales Logit-Modell, consortium of *Statistical Methods in the Social Sciences*, 24. January 2005 Seminar of Sociology, Cologne, Germany

CONFERENCE
ORGANISATION

First international BIBB/IAB-Workshop T.A.K.S.K.S.", 17.05.-18.05.2010, IAB Nuremberg, Germany.
Expertentagung im Bundesinstitut für Berufsbildung, Forschungsdatenzentrum

(BIBB-FDZ), 25. November 2008, Bonn, Germany.

FURTHER
TRAINING IN
SOCIAL
RESEARCH
METHODS

09/2006 Cologne Short Program of Applied Economic and Social Research workshop: Multilevel Analysis, Prof. J. J. Hox
09/2006 ESA-QMSS Workshop: Theory and Practice in the Analysis of Longitudinal Data, Prof. Dr. G. Molenberghs, Prof. Dr. G. Verbeke
11/2004 ZUMA Workshop: Demographic Standards: Empirical grounds of social structure analysis, PD Dr. J. H.P. Hoffmeyer-Zlotnik, Mannheim, Germany
08-09./2004 ZHSF Seminar: Advanced training module: Multivariate regression models, Dipl.-Soz. Jürgen Sensch (ZA/ZHSF), Cologne, Germany

REVIEWING

Kölner Zeitschrift für Soziologie und Sozialpsychologie (KZfSS)

MEMBERSHIPS

International Sociological Association (ISA) Research Committee 28 Social Stratification and Mobility (RC28)
European Survey Research Association (ESRA)

LANGUAGE
SKILLS

German: native language
English: C1 (European Framework of Reference for Languages)
French B1 (ibid.)

COMPUTER
SKILLS

Operating Systems: Windows
Document preparation: Microsoft Office, LaTeX
Bibliography Management: Citavi, BibTeX
Statistical software: SPSS, STATA, MLwiN (basic), HLM (basic)