

## Curriculum Vitae

### Univ.-Prof. Dr. Olga Zlatkin-Troitschanskaia

#### Contact Information

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#### Academic Career and Education

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since 2017 Fellow of the International Academy of Education (IAE)

2013 – 2019 Fellow of the Gutenberg Research College (GRC), Mainz

since 10/2006 University Professor  
Full Professor, Chair of Business and Economics Education at Johannes Gutenberg University Mainz

01/2002 – 09/2006 Research Assistant

- Chair of Business and Economics Education at Humboldt University of Berlin
- Teaching and Exams
- Participated in the International University Teacher Exchange Program Socrates (Switzerland, University of St. Gallen; Lithuania, Vytautas Magnus University Kaunas; Bulgaria, Sofia University St. Kliment Ohridski)
- Involved in Numerous Externally Funded National and International Research Projects; Grant Applicant and Co-Director of Two National Research Projects
- Grant applicant and co-director of two national teaching projects

2004 – 2006 Habilitation

Thesis on “Controllability of Educational Systems through Political Reform Strategies – An Interdisciplinary Theoretical Analysis and Empirical Study for Greater Autonomy in the Public School Sector”

At the Faculty of Arts and Humanities IV of Humboldt University of Berlin

2002 – 2004	<p>Dissertation</p> <p>Thesis on “Dynamics and Stability in Vocational Training Systems – A Theoretical and Empirical Study of Transformation Processes Using Bulgaria and Lithuania as Examples” (Summa Cum Laude)</p> <p>At the Faculty of Arts and Humanities IV of Humboldt University of Berlin</p> <p>Viva Voce in Educational Sciences, Business Education, and Economics (Summa Cum Laude)</p>
1996 – 2000	<p>Student Assistant</p> <p>Chair of Business Education at Humboldt University of Berlin Chair of Human Management at Technical University of Berlin</p>
1995 – 2000	<p>University Studies</p> <p>Economics and Business Education at Humboldt University of Berlin; Major Fields of Study:</p> <p>Statistics, Auditing and Management Accounting, Corporate Theory and Corporate Policy, and Human Management Diplom Thesis on “German Direct Investment in Russia” (Grade: 1.3)</p>

## Awards, Honors, and Fellowships

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Since 2017	Member of AcademiaNet – Expert Database of Outstanding Female Academics
Since 2017	Fellowship at the International Academy of Education (IAE)
Since 2017	Member of Deutsche Akademie der Technikwissenschaften (acatech)
2012	Nominated for the Gottfried Wilhelm Leibniz Prize of the German Research Foundation for Outstanding Research Achievements
2012	Nominated for the JGU Teaching Award of the Senate of Johannes Gutenberg University Mainz
2005	Postdoc Fellowship at Humboldt University of Berlin (Awarded to Outstanding Habilitation Candidates)
2004	Humboldt Prize for Outstanding Dissertation Thesis
2004	Europe Award of the Association of Berlin Merchants and Industrialists for outstanding dissertation thesis

## Research and Academic Achievement

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### Research Focus

- Student Learning Outcomes in Higher Education
- Technology-based Performance Assessment of Learning
- Digital Education, Online Learning and Online Assessment
- Measuring Competencies in Higher Education
- Critical Thinking and Online Reasoning
- Teacher Education
- International Comparative Educational Studies
- Transfer Research
- Educational Governance and Reform Implementation
- Institutional and Teaching Improvement in Higher Education

### Research Projects

#### *Project Director – Current Projects*

1. Positive Learning in the Age of Information (PLATO) (2016 – 2023)
2. Study Success and Opportunities for Refugees in Higher Education – An Effectiveness Analysis (SUCCESS) (2017 – 2020)
3. International Collaborative for Performance Assessment of Learning in Higher Education – Research and Development (iPAL-RD) (since 2016)
4. Fostering Subject-Specific Competencies of Prospective Teachers Using Video-Based ELMaWi Tools (ELMaWi-Transfer) (2020 – 2022)
5. Technology and Economics: Integrated Didactics (TWIND) (as part of the Germany-wide program 'Teacher Training Quality Campaign')
5. Valid Assessment of Students' Development of Professional Business and Economics Competencies over the Course of their Studies – A Quasi-Experimental Longitudinal Study (WiWiKom II) (2015 – 2020)
6. Meta Study: Mapping Competency Acquisition in Higher Education and its Influences (KoKoHs-Map) (2020-2021)
8. Metaproject on Research for the Internationalization of Vocational Education and Training (MP-INVET) (2020 – 2022)

#### *Project Director – Completed Projects*

1. Research Transfer Project of the Research Program "Modeling and Measuring Competencies in Higher Education – Validation and Methodological Innovations" (KoKoHs II) (2015 – 2019)
2. Evidence-Based Actions within the Multilevel System of Schools – Requirements, Processes, and Effects (EviS II) (2013 – 2016)

3. Performance Assessment of Learning in Higher Education (German-Japanese Study) (2017 – 2018)
4. Validation of an Entrance Examination in the Study Domain of Business and Economics – A National and International Comparative Study of Universities and Universities of Applied Sciences (WiWiSET) (2016 – 2019)
5. Assessing Subject-Specific Competencies in Teacher Education in Mathematics and Economics – A Quasi-Experimental Validation Study with a Focus on Domain Specificity (ELMaWi) (2016 – 2019)
5. School Leadership Styles and their Influence on Teachers' Evidence-Based Actions (2011 – 2015)
6. Coordination Project of the Research Program "Modeling and Measuring Competencies in Higher Education" (KoKoHs I) (2011 – 2015)
7. Modeling and Measuring Competencies in Business and Economics Among Students and Graduates (WiWiKom I) (2011 – 2015)
8. Evidence-Based Actions within the Multilevel System of Schools – Requirements, Processes, and Effects (EviS I) (2010 – 2013)
9. Implementation of School Autonomy, Quality Management, and a New Teaching-and Learning Philosophy at Vocational Schools (EQuL) (2010 – 2012)
10. Pedagogical Content Knowledge of (Future) Teachers in Business and Economics: Theoretical Modeling, Test Development, and Validation (2009 – 2012)
11. Innovative Teaching-Study Network in Academic Higher Education (ILLEV) (2008 – 2012)
12. Efficiency of an Educational Political Reform Strategy in the Public Vocational School System – a Multilevel Analysis Using the Example of Greater Autonomy of Single Schools (2006 – 2009)
13. A Comparative Study of Professional Patterns of Attitudes towards New Public Management in Bulgaria, Canada, Denmark, and Switzerland (2007 – 2008)
14. Quality Development at Vocational Schools in the German Federal State of Berlin (QEBS) (2006 – 2008)
15. E-Learning – Use of E-Exams in Business Education Courses for Optimizing Teaching Outcome Diagnostics in Higher Education Teaching and for Fostering Students' General Problem-Solving Competency (Various Sub-Projects) (2007 – 2015)
16. Successful Implementation of Political Reform Strategies in the Public Vocational School System in the German Federal State of Rhineland-Palatinate (Study I + II) (2007 – 2009)

## National and International Commitment to Science and Research

### *Membership of Advisory and Editorial Boards*

- International Advisory Board of the Kiron Open Higher Education gGmbH
- Austrian Science Fund (FWF) in Cooperation with the Austrian Science Board (ÖWR) (Austrian Educational Science Landscape)

- Advisory Board of the German Federal Ministry of Education and Research (BMBF) Research Program „OWL – Open Web-Based Learning Space for Continuing Professional Development of Adult Educators“
- Scientific Advisory Board of the EA European Academy of Technology and Innovation Assessment GmbH
- International Advisory Board of the Swiss Federal Office for Professional Education and Technology (OPET) Program “Leading House: Learning and Instruction for Commercial Apprentices (LINCA)”
- Advisory Board of the German Federal Ministry of Education and Research (BMBF) Research Program ASCOT (Technology-Oriented Competency Assessment in Vocational Education)
- Advisory Board of the German Federal Ministry of Education and Research (BMBF) Research Program ASCOT+
- Round Table on Business and Economic Studies as Part of the NEXUS Project of the German Rectors’ Conference
- Advisory Board of the Federal Institute for Vocational Education (BIBB) Research Program “Fostering Social and Emotional Competencies in Vocational Education - a Study on Medical Personal in Training“ (ProSECoM)
- Advisory Board of the German Federal Ministry of Education and Research (BMBF) Research Program KoKoHs I (Modeling and Measuring Competencies in Higher Education)
- Editorial Board of the “Journal for Educational Research” (JERO)
- Editorial Board of the “International Journal of Chinese Education” (IJCE)
- Editorial Board of the “International Journal of Educational Studies” (IJES)
- Editorial Advisory Board of the Journal “Empirical Research in Vocational Education and Training” (ERVET)
- Editorial Advisory Board of the Journal “Empirische Pädagogik” (Empirical Pedagogy) (EP)
- Principal Investigator in the Project „Measuring and Comparing Achievements of Learning Outcomes in Higher Education in Europe (CALOHEE)” (European Association of Institutions in Higher Education, EURASHE) (since 06/2016)

*Membership in Scientific Work Groups and Associations international (selection)*

- American Economic Association (AEA)
- American Educational Research Association (AERA)
- Association of University Professors for Vocational and Business Education
- European Association for Research on Learning and Instruction (EARLI)
- International Center for Applied Statistics and Economics (CASE); the Collaborative Research Center 649 (SFB)
- National Council on Measurement in Education (NCME)

### *Membership in Scientific Work Groups and Associations national (selection)*

- Arbeitsgemeinschaft Berufsbildungsforschungsnetz (Research Network on Vocational Education, AG BFN)
- Center for Educational and Higher Educational Research (ZBH) of Johannes Gutenberg University Mainz
- German Educational Research Association (DGfE), Workgroup for Empirical Education Research (AEPF) and Workgroup for Vocational and Business Education (BWP)
- Gesellschaft für Empirische Bildungsforschung (Society for Empirical Educational Research, GEBF)
- Gesellschaft für Hochschulforschung (Society for Higher Education Research, GfHF)

### *Organization and Chairing of International and National Conferences (selection)*

1. International Conference of the SUCCESS research project “Digital Approaches to Increasing Equity in Higher Education – Opening Universities for Refugees” at the HU Berlin, 04-15 December 2019
2. 3rd International Summer Conference on “Positive Learning in the Age of Information” (PLATO) at JGU Mainz, 13-14 September 2019
3. International Conference of the Research Program „Modeling and Measuring Competencies in Higher Education – Validation and Methodological Innovations (KoKoHs)“ at JGU Mainz, 11-12 September 2019
4. International Conference of the WiWiKom Research Project “Modeling and Measuring Competencies in Business and Economics” at JGU Mainz, 10-12 December 2018
5. 2nd International Summer Conference on “Positive Learning in the Age of Information” (PLATO) at JGU Mainz, 23-25 May 2018
6. Affiliated Group Meeting “Modeling and Measuring Competencies in Higher Education” at the AERA Annual Meeting Conference in New York, USA, on 13 April 2018
7. International Summer Conference on “Positive Learning in the Age of Information” (PLATO) at JGU Mainz, 28-30 June 2017
8. Affiliated Group Meeting “International Collaborative for Performance Assessment of Learning in Higher Education – Research and Development (iPAL RD)” at the AERA Annual Meeting Conference in San Antonio, USA, on 27 April 2017
9. Kick-Off Meeting of the “International Collaborative for Performance Assessment of Learning in Higher Education – Research and Development (iPAL-RD)” in Mainz, Germany, 12-22 October 2016
10. Opening Conference of the Research Program „Modeling and Measuring Competencies in Higher Education – Validation and Methodological Innovations (KoKoHs)“ in Berlin, 4-5 April 2016
11. International Affiliated Group Meeting “Valid Assessment of Learning Outcomes in Higher Education – International Comparison and Methodological Challenges” at the American Educational Research Association (AERA) Annual Meeting Conference, Chicago, on 19 April 2015.
12. International Conferences of the Research Program “Modeling and Measuring Competencies in Higher Education (KoKoHs)” and the Research Project “Modeling and

- Measuring Competencies in Business and Economics (WiWiKom)“, Mainz, 27 November-02 December 2014.
13. International Affiliated Group Meeting “Theoretical and Methodological Tasks and Challenges of Modeling and Measuring Competencies in Higher Education” at the AERA Annual Meeting Conference in Philadelphia, USA, 04 April 2014.
  14. International Colloquium for Young Researchers, Mainz, Germany, 14-16 November 2013.
  15. Kick-Off Conference of the Research Program “Modeling and Measuring Competencies in Higher Education (KoKoHs)”, Mainz, Germany, 05-06 July 2012.
  16. Conference “Bologna-Reform: Eine Zwischenbilanz der empirischen Bildungs- und Hochschulforschung und Entwicklungsperspektiven” (Bologna Reform: Interim Results of Empirical Research in Education and Higher Education and Development Perspectives), Berlin, 02 March 2012. □
  17. International Conference of the Research Program “Modeling and Measuring Competencies in Higher Education (KoKoHs)”, Berlin, 24-25 February 2011.
  18. International Kick-off Workshop of the Research Project “Modeling and Measuring Competencies in Business and Economics (WiWiKom)”, Berlin, Germany, 02-04 February 2011.

### *Reviewing for Research Funding Bodies*

- Accreditation group AQAS e.V.
- Accreditation Group of the German Council of Science and Humanities
- Bertelsmann Foundation
- Evaluation Panel of the German Council of Science and Humanities
- German Academic Exchange Service (DAAD)
- German Educational Research Association
- German Federal Ministry of Education and Research (BMBF) as well as for Other Ministries in Various German Federal States
- German National Academic Foundation (Studienstiftung)
- German Research Foundation (DFG)
- Leibniz Association
- Research Network on Vocational Education (AG BFN)
- Scientific Commission of Hamburg
- Scientific Commission of Lower Saxony (WKN)
- Society for Empirical Educational Research (GEBF)
- Swiss Federal Department of Economic Affairs, Education, and Research, Federal Office for Professional Education and Technology (OPET)
- Swiss National Science Foundation (SNSF)
- Volkswagen Foundation

### *Reviewing for Scientific Journals (national)*

- Berufs- und Wirtschaftspädagogik (Vocational and Business Education)

- Diagnostica – Zeitschrift für Psychologische Diagnostik und Differentielle Psychologie (Journal for psychological diagnostics and differential psychology)
- Die deutsche Schule (DDS – Journal for educational science, policy, and practice)
- Lehrerbildung auf dem Prüfstand (Teacher Education under Review)
- Zeitschrift für Bildungsforschung
- Zeitschrift für die Erziehungswissenschaft (Journal for Educational Science)
- Zeitschrift für Pädagogik
- Zeitschrift für Pädagogische Psychologie (German Journal of Educational Psychology)
- Zeitschrift für Soziologie (Journal for Sociology)

### *Reviewing for Scientific Journals (international)*

- AERA Open
- Assessment and Evaluation in Higher Education
- British Journal of Educational Psychology
- Education for Chemical Engineers
- Education Sciences
- Educational Assessment
- Evaluation and Program Planning
- Future Business Journal
- Higher Education Pedagogies
- Higher Education Policy
- Higher Education Research & Development
- Higher Education Research Organizacija – Journal of Management, Informatics and Human Resources
- International Journal of Chinese Education
- International Journal of Educational Studies
- International Journal of Environmental Research and Public Health
- International Journal of Leadership in Education
- International Review of Economics Education
- Journal for Educational Research
- Journal of Contextual Economics
- Journal of Economic Education
- Journal of Economics and Economic Education Research
- Journal of Educational Measurement
- Journal of Management, Informatics and Human Resources
- Journal of Workplace Learning
- Learning and Individual Differences
- Learning and Instruction
- Physical Review - Physics Education Research
- Policy Reviews in Education
- Studies in Educational Evaluation



- The International Journal of Human Resource Management
- The Open Psychology Journal
- Vocations and Learning

#### *Guest Editing for Scientific Journals (national)*

- Diagnostica (Journal for Psychological Diagnostics and Differential Psychology)
- Lehrerbildung auf dem Prüfstand (Teacher Education under Review)
- Unterrichtswissenschaft (Educational Science)
- Zeitschrift für Erziehungswissenschaft (Journal for Educational Science)
- Zeitschrift für Pädagogik (Journal for Pedagogy)
- Zeitschrift für Pädagogische Psychologie (German Journal of Educational Psychology)

#### *Guest Editing for Scientific Journals (international)*

- Assessment and Evaluation in Higher Education
- British Journal of Educational Psychology
- Empirical Research in Vocational Education and Training
- Frontiers in Education
- Frontiers in Psychology
- Frontiers in Computer Science
- Higher Education Policy
- Journal of Educational Measurement
- Peabody Journal of Education
- Studies in Higher Education

### **Administrative Commitments, Program Development, and Promotion of Young Researchers at Johannes Gutenberg University Mainz**

#### *Administrative Commitments (selection)*

- Member of the Executive Committee of the Gutenberg Teaching Council (2011 – 2017)
- Senior Member of the Gutenberg Academy Mainz (2008-2018), Spokesperson 2010 – 2011, Deputy Spokesperson 2012 – 2013
- Degree Program Head and Liaison Lecturer for the Business and Economics Education Degree Courses
- Member of the Teacher Training Center (ZfL)
- Member of the Roundtable for Teaching Methodology at ZfL
- Chair of the Faculty Selection Committee for Business and Economics Education at the Faculty of Law, Management, and Economics
- Member of the Faculty Council, the Examination Board, the Board for Studies and Teaching, and the Habilitation Research Training Group at the Faculty of Law, Management, and Economics

- Chair of Three Professorial Appointment Committees, Member of Numerous Appointment Committees at Various Universities
- Chair and Member of Various Doctoral Supervisory Committees

### *Reform and Design of Study Programs (selection)*

- Member of Two Working Groups for the Ministry of Education, Science, Further Training, and Culture of the Federal State of Rhineland-Palatinate, Development of Curricular Standards in Teacher Education in the Subjects “Business and Economic Studies” and “Vocational Training Studies”
- Member of Three Committees at the Faculty of Law, Management, and Economics Focused on the Conceptualization of a New Structure for the Department of Management and Economics, the Design and Implementation of a New Bachelor of Science Degree Course in Business and Economics, and the Development of new Doctoral Regulations
- Director of Program Development in Business and Economic Education at the Faculty of Law, Management, and Economics, Responsible for the Design, Accreditation, and Implementation of the New Degree Courses Bachelor of Science and Master of Science in Business and Economic Education as well as the Degree Course Master of Education in Business and Economic Education and Educational Science
- Director of the ILLEV Project, Responsible for the Design and Implementation of the Innovative Teaching-Study Network in the New Consecutive Degree Courses of Teacher Education
- Director of Various E-Learning and E-Testing Projects at the Faculty of Law, Management, and Economics, Responsible for the Design and Implementation of E-Learning in Business and Economic Education as well as of New Examination Methods

### Supervision of Dissertation Projects (Principal Supervisor)

#### *Completed*

1. Sven Bermel (2016): Analyse des professionellen Umgangs mit allgemeinen didaktischen Prinzipien im berufsbildenden Unterricht und der fachdidaktischen Unterrichtsreflexion von angehenden Lehrkräften (Analyzing the Professional Use of General Teaching Principles in Vocational Teaching as well as Pre-Service Teachers’ Reflection of Teaching Methodology in Classroom Performance).
2. Sebastian Brückner (2015): Die Analyse mentaler Prozesse von Studierenden beim Lösen wirtschafts-wissenschaftlicher Testaufgaben in einem prozessbezogenen Validierungsansatz (A Process-Oriented Validation Approach to Analyzing Students’ Mental Processes while they Respond to Business and Economic Test Items). (Research Awards)
3. Ramona Buske (2013): Die Entwicklung kollektiver Innovationsbereitschaft von Lehrkollegien – Eine theoretische Modellierung und empirische Untersuchung im Längsschnitt (The Development of Collective Readiness for Innovation among Teaching Staff – Theoretical Modeling and Empirical Longitudinal Investigation). (Research Award)

4. Manuel Förster (2013): Organisationale und motivationale Einflussfaktoren auf das Reformhandeln von Lehrkräften – Eine empirische Untersuchung mittels Strukturgleichungs- und Mixture-Analysen (Organizational and Motivational Influence Factors on Teachers' Implementation of Reforms – an Empirical Study using Structural Equation Mixture Modeling). (Research Awards)
5. Roland Happ (2015): Die Entwicklung des volkswirtschaftlichen Grundlagenwissens im Studienverlauf – Effekte von Eingangsvoraussetzungen auf den Wissenserwerb (Development of Fundamental Economic Knowledge among Students over the Course of their Studies – Effects of Students' entry Conditions on their Knowledge Acquisition).
6. Daniela Heinze (2015): Die Bedeutung der Volition für den Studienerfolg. Zu dem Einfluss volitionaler Strategien der Handlungskontrolle auf den Erfolg von Bachelorstudierenden – Eine empirische Untersuchung (The Importance of Volition for Study Success. On the Influence of Volitional Strategies of Action Control on Bachelor Students' Study Success – An Empirical Analysis).
7. Aline Kadach (2013): Organisationstypen in berufsbildenden Schulen – Eine empirische Analyse der schulischen Steuerungs-, Führungs- und Kooperationsstrukturen (Types of Organizational Structures at Vocational Schools – An Empirical Analysis of Management, Leadership, and Cooperation Structures at Schools).
8. Christiane Kuhn (2013): Fachdidaktisches Wissen von Lehrkräften im kaufmännisch-verwaltenden Bereich – Modellbasierte Testentwicklung und Validierung (Pedagogical Content Knowledge of Teachers in Business and Economics – Theoretical Modeling, Test Development, and Validation). (Research Awards)
9. Daja Preusse (2014): Wissen und Überzeugungen von Lehrkräften – Eine Analyse für den Kontext schul- und unterrichtsbezogener Evaluationen (Knowledge and Convictions of Instructors – an Analysis for the Context of School and Class-Related Evaluations).
10. Susanne Schmidt (2016): Veränderungsmessung des fachlichen Wissens bei Studierenden – Eine Längsschnittanalyse des Wissenserwerbs in einem latenten Mehrebenenmodell (Measuring Growth in Domain-Specific Knowledge among Students in the Domain of Business and Economics – A Longitudinal Analysis in a Multilevel Structural Equation Model) (Research Awards)
11. Jana Seidel (2011): Transferkompetenz und Transfer – Theoretische und empirische Untersuchung zu den Wirksamkeitsbedingungen betrieblicher Weiterbildung (Transfer and Transfer Competence – Theoretical and Empirical Analysis of Effective Training Conditions in Companies).
12. Martin Stump (2016): Die Förderung evidenzbasierten Entscheidens mittels transformationaler Führung – Eine theoretische Modellierung und empirische Studie zu wirksamer Schulführung im Kontext von Evidenzbasierung (Fostering Evidence-Based Decision-Making through Transformational Leadership – A Theoretical Model and Empirical Study of the Effectiveness of School Leadership in the Context of Evidence-Based Governance).
13. Frank Zimmermann (2013): Einstellung von Lehrkräften zum Qualitätsmanagement an Schulen und deren Prädiktoren – Eine empirische Untersuchung an berufsbildenden Schulen in Rheinland-Pfalz (Attitudes of Teachers Towards Quality Management at Schools as well as their Predictors – An Empirical Study at Vocational Schools in Rhineland-Palatinate).

## *Current*

14. Olga Diener: Situation-Specific Coping Behavior of Beginning Teachers
15. Sarah Madeleine Nell-Müller: Examining Differences in Competence between Kiron Students from Syria and Somalia
16. Hannes Saas: Development, Implementation and Evaluation of a Video-Based Learning Tool to Enhance Teaching Competences in Business and Economics Education.
17. Jasmin Schlax: Development of domain-specific knowledge over the course of Business and Economics studies
18. Miriam Toepper: Interdisciplinary Competences of Students in the German Higher Education Sector – Test Adaptation and Validation Analyses