

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Heiko Sibberns**
Professional e-mail Heiko.Sibberns@iea-hamburg.de
Work phone +49 (0)40 48500 600
Nationality German
Date of birth 01/08/1960
Gender Male

Position / Organisation

Work experience

<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>As of 10/2019</p> <p>Senior Research Advisor</p> <p>Advisor to the Executive Director and the IEA's management</p> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>07/2019 – 09/2019</p> <p>Sabbatical</p> <p>N/A</p> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>04/2014 – 06/2019</p> <p>Director IEA Hamburg, formerly IEA Data Processing and Research Center (DPC)</p> <p>Overall management of IEA Hamburg</p> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p> <p>Main activities and responsibilities</p> <p>Name of employer</p> <p>Type of business or sector</p>	<p>05/2001 – 05/2014</p> <p>Co-Director</p> <p>Managed IEA DPC, coordinated all national projects</p> <p>Stichting IEA Secretariaat Nederland. IEA Hamburg</p> <p>Non-profit research organization</p>
<p>Dates</p> <p>Occupation or position held</p>	<p>1997 – 05/2001</p> <p>Senior Researcher and Project Manager for data processing of CivEd</p>

Main activities and responsibilities	Coordinated data processing for CivEd, coordinated national projects
Name of employer	Stichting IEA Secretariaat Nederland. IEA Hamburg
Type of business or sector	Non-profit research organization
Dates	1994 – 1997
Occupation or position held	Programmer for data processing of the IEA TIMSS at the IEA DPC, Hamburg
Main activities and responsibilities	Software development, testing and data processing
Name of employer	Stichting IEA Secretariaat Nederland. IEA Hamburg
Type of business or sector	Non-profit research organization
Dates	1993 – 1994
Occupation or position held	Research Assistant for data processing TIMSS 1995 in Germany
Main activities and responsibilities	Field operations, data processing and research
Name of employer	IEA Hamburg e. V.
Type of business or sector	Non-profit research organization
Dates	1991 – 1993
Occupation or position held	Assistant for data processing of the IEA Reading Literacy Study
Main activities and responsibilities	Software development and data processing for the IEA RL Study
Name of employer	IEA Hamburg e. V.
Type of business or sector	Non-profit research organization
Education and training	
Dates	1980 – 1994
Title of qualification awarded	Erstes Staatsexamen (First State Examination)
Principal subjects/occupational skills covered	Subjects studied: Education, Physics, Theology Thesis subject: “Effective Schools in Reading Literacy in Germany”
Name and type of organisation providing education and training	University of Hamburg
Personal skills and competences	
Mother tongue(s)	German
Other language(s)	English

Computer skills and
competences

- Expert knowledge in all data processing related tasks of large-scale assessments
- Good managerial and planning competencies
- Good study management competencies
- Knowledge of statistical software (SAS, SPSS)
- Knowledge in statistics: univariate and item statistics, item response theory.
- Expert knowledge in sampling theory, and weighting
- Basic knowledge programming (CLIPPER)
- Good experience in project management, project controlling and administration

Publications

Baumert, J., Artelt, C., Carstensen, C.H., Sibberns, H., & Stanat, P. (2002). Untersuchungsgegenstand, Fragestellungen und technische Grundlagen der Studie. In Deutsches PISA-Konsortium (Ed.) *PISA 2000 - die Länder der Bundesrepublik Deutschland im Vergleich* (pp. 11-38). Opladen: Leske + Budrich.

Fellenberg, F., Sibberns, H., Jesske, B. Hess D. (2016). Quality Assurance in the Context of Data Collection. *Methodological Issues of Longitudinal Surveys* (pp 579-593). Springer

Hastedt, D., & Sibberns, H. (2005). Differences between multiple choice items and constructed response items in the IEA TIMSS surveys. In *Educational Evaluation*, 31 (2-3) pp. 145-161.

Lankes, E.-M., Bos, W., Mohr, I., Plaßmeier, N., Schwippert, K., Sibberns, H., et al. (2003). Anlage und Durchführung der Internationalen Grundschul-Lese-Untersuchung (IGLU) und ihrer Erweiterung um Mathematik und Naturwissenschaften (IGLU-E). In E.-M. Lankes, G. Walther, K. Schwippert, M. Prenzel, R. Valtin & W. Bos (Eds.), *Erste Ergebnisse aus IGLU. Schülerleistungen am Ende der vierten Jahrgangsstufe im internationalen Vergleich* (pp. 7-26). Münster/New York/München/Berlin: Waxmann.

Meinck, S., Stancel-Piątak, A., Hastedt, D., Sibberns, H. (2017). Developments and methodological challenges in international large-scale assessments in education: An IEA perspective. In J. Gerick & Katrin Schulz-Heidorf (Eds.): *Aktuelle Perspektiven und Entwicklungen in Large-Scale-Studien [Current perspectives and developments in large scale assessments]*, vol. 23. Nr.1. P. 63-92. Münster: Waxmann (Tertium Comparationis)

Neubrandt, J., Neubrand M., & Sibberns, H. (1998). Die TIMSS-Aufgaben aus mathematikdidaktischer Sicht: Stärken und Defizite deutscher Schülerinnen und Schüler. In M. Neubrand & W. Blum (Eds.), *TIMSS und der Mathematikunterricht. Informationen, Analysen, Konsequenzen* (pp. 17-27). Hannover: Schroedel Verlag.

Schulz, W., & Sibberns, H. (Eds.) (2004). *IEA Civic Education Study Technical Report*. Amsterdam: IEA

Sibberns, H., & Baumert, J. (2001). Stichprobenziehung und Stichprobengewichtung. In E. Klieme, J. Baumert, M. Neubrand, M. Prenzel, U. Schiefele, W. Schneider, et al. (Eds.), *PISA 2000: Basiskompetenzen von Schülerinnen und Schülern im internationalen Vergleich*, pp. 511-517. Opladen: Leske + Budrich.

Sibberns, H. (2020). Technology and assessment. In H. Wagemaker (Ed.), *Reliability and validity of international large-scale assessment* (Chapter 10, pp. 169–186). IEA Research for Education, vol 10. Cham, Switzerland: Springer. https://doi.org/10.1007/978-3-030-53081-5_10