

Benjamin Goecke, M.Sc.

Curriculum Vitae

Ulm University

Department for Individual Differences and Psychological Assessment

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**Personal Information**

\*24.05.1995 Ludwigsburg, Germany

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**Academic Employment**

Aug 2019 – today	<b>Research Assistant</b> Ulm University, Germany Department of Individual Differences and Psychological Assessment Prof. Dr. Oliver Wilhelm
Oct 2016 – Jul 2019	<b>Student Assistant</b> Ulm University, Germany Department of Individual Differences and Psychological Assessment Prof. Dr. Oliver Wilhelm

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**Education & Training**

Aug 2019 – today	<b>Dr. rer. nat., Psychology</b> Ulm University, Germany Provisional Title: <i>Differentialpsychologische Problematisierung kognitiver Fähigkeiten – psychometrische Untersuchungen und methodische Innovationen im Kontext leistungsbezogener Konstrukte</i> Supervisor: Prof. Dr. Oliver Wilhelm
Oct 2018 – Aug 2019	<b>Master of Science, Psychology</b> Ulm University, Germany Overall Grade: very good   ECTS-Grade: A Thesis Title: <i>We hold this Truth to be evident: Reasoning Tasks measure Reasoning Ability</i> Supervisors: Prof. Oliver Wilhelm and Prof. Ulrich Schroeders
Oct 2014 - Jul 2018	<b>Bachelor of Science, Psychology</b> Ulm University, Germany Overall Grade: good   ECTS-Grade: B Thesis Title: <i>Predictive Validity of Elementary Cognitive Tasks</i> Supervisors: Prof. Dr. Oliver Wilhelm and Dr. Florian Schmitz

Sep 2011 – Jul 2014	<i>General University Entrance Qualification (Abitur)</i> , Johanna-Wittum-Schule, Pforzheim
Sep 2005 – Jul 2011	<i>Secondary School Leaving Certificate (Mittlere Reife)</i> , Ludwig-Uhland-Realschule, Heimsheim
Sep 2001 – Jul 2005	<i>Primary School</i> , Grundschule Friolzheim

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### Job Positions

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Sep 2019 – today	<b>Project Coordinator (25%)</b> Project: „EA-MINT BW – Eignung und Auswahl für MINT-Studiengänge in Baden-Württemberg“ [ <i>EA-MINT BW – Aptitude and Selection for STEM Study Programs in Baden-Württemberg</i> ] Funding: Ministerium für Wissenschaft, Forschung und Kunst Baden-Württemberg [Department for Science, Research and Arts Baden-Württemberg] Supervisors: Prof Dr. Dr. Olga Pollatos, Prof. Dr. Irene Bouw, Prof. Dr. Oliver Wilhelm
Aug 2019 – today	<b>Research Assistant (65%)</b> Project: “Disentangling Mental Speed, Working Memory Capacity, and Fluid Intelligence” Funding: Deutsche Forschungsgemeinschaft – DFG [German Research Association] Supervisor: Prof. Dr. Florian Schmitz, Prof. Dr. Oliver Wilhelm

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### Grants | Scholarships

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Mar 2018	<i>Promos Scholarship</i> , supported by DAAD (Deutscher Akademischer Auslandsdienst) <b>550€</b>
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### Publications in Peer-Reviewed Journals

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- [002] Weiss, S., Grewe, C. M., Olderbak, S. G., **Goecke, B.**, Kaltwasser, L. & Hildebrandt, A. (2020). Symmetric or not? A Holistic Approach to the Measurement of Fluctuating Asymmetry from Facial Photographs. *Personality and Individual Differences*, 166, 110137.
- [001] **Goecke, B.**, Steger, D., Weiss, S., Schroeders, U., & Wilhelm, O. (2020). Testing Competing Claims About Overclaiming. *Intelligence*, 81, 101470.

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### Refereed Conference Presentations

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- [011] Goecke, B., Schmitz, F., & Wilhelm, O. (2020, June). Disentangling Speed from Binding in Working Memory. Virtual Working Memory Symposium (organized by Edward Ester from Florida Atlantic University and Jarrod Lewis-Peacock from University of Texas at Austin).
- [010] **Goecke, B.**, Wilhelm, O., & Oberauer, K. (2020, March). *Is Long-Term Memory Used in a visuo-spatial Change-Detection Paradigm?*. TeaP [Conference of Experimental Psychologists], Jena, Germany. Poster Session.

- [009] Wilhelm, O., **Goecke, B.**, Hartung, J., Geiger, M., & Schroeders, U. (2019, September). *How should we Measure Reasoning in College Admission?*. DPPD [Individual Differences and Psychological Assessment], University of Dresden, Germany. Symposium.
- [008] **Goecke, B.**, Steger, D., Weiss, S., Schroeders, U., & Wilhelm, O. (2019, September). *Creativity, domain-specific knowledge, and overclaiming. What we can think of, what we know, and what we think we know*. DPPD [Individual Differences and Psychological Assessment], University of Dresden, Germany. Paper Session.
- [007] **Goecke, B.**, Hartung, J., Geiger, M., Schroeders, U., & Wilhelm, O. (2019, July). *Are some Reasoning Tasks more Equal than others?*. ISSID [International Society for the Study of Individual Differences], University of Florence, Italy. Symposium.
- [006] **Goecke, B.**, Steger, D., Weiss, S., Schroeders, U., & Wilhelm, O. (2019, July). *Creativity, domain-specific knowledge, and overclaiming. What we can think of, what we know, and what we think we know*. ISSID [International Society for the Study of Individual Differences], University of Florence, Italy. Symposium.
- [005] **Goecke, B.**, & Wilhelm, O. (2019, May). *How to develop a fair college admission test for foreign university students in Germany – a tutorial*. WCUR [World Congress on Undergraduate Research], Carl von Ossietzky Universität Oldenburg, Germany.
- [004] **Goecke, B.**, Schmitz, F., & Wilhelm, O. (2018, September). *Elementare kognitive Aufgaben als ein Prädiktor für das allgemeine kognitive Funktionsniveau*. DGPS [German Psychological Association], Goethe-Universität Frankfurt, Germany. Symposium.
- [003] **Goecke, B.**, Schmitz, F., & Wilhelm, O. (2018, July). *Elementary cognitive tasks as a predictor of general cognitive ability*. ECP [European Conference of Personality], University of Zadar, Croatia. Symposium.
- [002] **Goecke, B.**, Schmitz, F., & Wilhelm, O. (2017, September). *Warum sind elementare kognitive Aufgaben prädiktiv?*. DPPD [Individual Differences and Psychological Assessment], University of Munich, Germany. Poster Session.
- [001] Weiss, S., Olderbak, S.G., Grewe, C.M., **Goecke, B.**, Kaltwasser, L. & Hildebrandt, A. (2017, September). *Measuring Facial Asymmetry using Geometric Morphometrics*. DPPD [Individual Differences and Psychological Assessment], University of Munich, Germany. Paper Session.

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### Invited Presentations

- [002] **Goecke, B.** (2019, December). *Exkurs Hochschulzulassung und Eignungsdiagnostik*. Vorlesung Persönlichkeitspsychologie. Hochschule Aalen, Germany.
- [001] **Goecke, B.** & Wilhelm, O. (2019, November). *Eignungsdiagnostik – Validität und Akzeptanz*. 2. Symposium zu Eignungs- und Auswahlverfahren in der natur- und ingenieurwissenschaftlichen Studiengängen. Karlsruhe Institute of Technology, Germany. Symposium.

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### Ad-Hoc Reviewing Activities

- Testing, Psychometrics, Methodology in Applied Psychology (supervised by Prof. Dr. Oliver Wilhelm)
- Zeitschrift für empirische Hochschulforschung (supervised by Prof. Dr. Oliver Wilhlem)

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### Study and Research Stays Abroad

- Mar 2018 – May 2018      *Research Internship* at the University of Zurich, Switzerland  
Psychological Institute, Cognitive Psychology Unit  
Topic:                    *Is Long-Term Memory Used in a Visuo-Spatial Change-Detection Paradigm?*  
Prof. Dr. Klaus Oberauer
- Apr 2017                      *Research Stay* at the University of Belgrade, Serbia  
Prof. Dr. Goran Knezevic

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### Attended Workshops

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- Nov 2018                      Differential Item Functioning and moderated IRT Models  
Ulm University, Germany  
Dr. Alexander Robitzsch
- Aug 2018                      Big Data: Statistical Procedures for the Analysis of huge Datasets  
FDZ Autumn Academy at the IQB Berlin, Germany  
Prof. Dr. Andrea Hildebrandt
- Introduction to Item-Response-Theory with R  
FDZ Autumn Academy at the IQB Berlin, Germany  
Dr. Carolin Hahnel
- Longitudinal Structural Equation Modeling with R  
FDZ Autumn Academy at the IQB Berlin, Germany  
Dr. Martin Schultze; Dr. Claudia Crayen
- Jul/Aug 2017                   Brain Signal Variability: Genetic Determinants and Relevance for Cognition and Creativity  
German – Hong Kong Joint Workshop, Institute of Creativity, Hong Kong Baptist University, Hong Kong  
Dr. Changsong Zhou; Prof. Dr. Andrea Hildebrandt; Prof. Dr. Werner Sommer

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### Teaching Experiences

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*Please note: All courses marked with \* have been evaluated by the participants, and all courses marked with <sup>ENG</sup> were held in English.*

#### **Summersemester 2020**

- May 2020                      **Practical Seminar of Psychological Assessment (1 Session)**  
*Reliabilität [Reliability]*  
Universität Ulm, Germany

#### **Wintersemester 2019/2020**

- Oct 2019 – Feb 2020      **Experimental Seminar**  
*Konkurrierende Operationalisierungen des emotionalen Arbeitsgedächtnisses [Competing operationalizations of the emotional working memory]*  
Universität Ulm, Germany

#### **Summersemester 2017**

Apr 2017 – Jul 2017

**Tutor for Test Theory and Design of Experiments**

Universität Ulm, Germany  
Department for Psychological Methods  
Supervisor: Dr. Tatjana Stadnitski

**Summersemester 2016**

Apr 2016 – Jul 2016

**Tutor for Test Theory and Design of Experiments**

Universität Ulm, Germany  
Department for Psychological Methods  
Supervisor: Dr. Tatjana Stadnitski

**Supervised Thesis**

**2020**

April 2020 – today

**Bachelor Thesis**

Title: *Nicht erreicht – Über die Informationen in nicht erreichten Items*  
[Not reached – On the information in not reached items]

Student: Thomas Lautenschlager  
Universität Ulm, Germany  
Supervisor: Prof. Dr. Oliver Wilhelm

March 2020 – today

**Master Thesis**

Provisional Title: *Meta-Analysis*  
Student: Alina Rieker, B.Sc.  
Universität Ulm, Germany  
Supervisor: Prof. Dr. Oliver Wilhelm

**Professional Affiliations**

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- German Psychological Association [*Deutsche Gesellschaft für Psychologie – DGPs*]
  - Group of Individual Differences and Psychological Assessment (DPPD)

**Extracurricular Work Experience**

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Oct 2018

Internship at the TestDaF Institute and g.a.s.t. (Gesellschaft für akademische Studienvorbereitung und Testentwicklung / Society for Academic Study Preparation and Test Development) in Bochum, Germany  
Michael Klees & Dr. Dieter Althaus

Oct 2015

Internship at the „Stenografischer Dienst“ (Department for Shorthand) in the Landtag of Baden-Württemberg, Germany  
Dieter Grünert

Aug 2015 – Oct 2015

Students Internship in the Counseling Center for Children, Youngsters and their Families in Pforzheim, Germany  
Tom Handtmann

Apr 2015 – Jul 2015

German Lecturer for Refugees  
Adabalt-Stifter-Gemeinschaftsschule, Ulm, Germany

**Skills & Qualifications**

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Languages: German (native speaker), English (CEFR Level C1), Spanish (CEFR Level B1), Portuguese (CEFR Level B1), Italian (CEFR Level A2)

Statistical Software: R, SPSS, multiTree

Other Software: Microsoft Office, PsychoPy, Inquisit, Adobe Lightroom