



28 and 29 November 2014

Program Overview

International Conference

**of the Research Program KoKoHs on Modeling and Measuring Competencies in Higher
Education**

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Federal Ministry
of Education
and Research

Friday, 28 November 2014

Johannes Gutenberg University Mainz

11:30 – 12.30	Registration and Lunch
12:30 – 13.30	Conference Opening Prof. Georg Krausch, University President Dr. Stefanie Stegemann-Böhl, German Federal Ministry of Education and Research Prof. Olga Troitschanskaia & Prof. Hans Anand Pant, KoKoHs Coordination Project
13.30 – 14.15	Prof. Hamish Coates Moderation by Prof. Christiane Spiel <i>Keynote I: “The Future of Learning Outcomes Assessment in Higher Education”</i>
14.15 – 15.00	Prof. Rolf van der Velden Moderation by Prof. Christiane Spiel <i>Keynote II: “Skills for the Future: Challenges for Higher Education”</i>
15.00 – 15.30	Coffee Break
15.30 – 17.00	Sessions
17.00 – 17.15	Coffee Break
17.15 – 18.45	Sessions
19.00	Social Evening, Poster Award Ceremony

Session	Thematic focus	Discussant	Chair
1	Modeling and Assessing Structure and Levels of Competencies	Dr. Timo Bechger	Prof. Hamish Coates
	Prof. Timo Leuders, Prof. Elmar Stahl & Jun.-Prof. Benjamin Rott (<i>Project: LeScEd - Learning the Science of Education</i>)		
	Heike Dietrich (<i>Project: WiKom-SoWi - Modeling and measurement of scientific competency in social sciences</i>)		
	Prof. Tobias Richter & Sarah von der Mühlen (<i>Project: KOSWO - Competencies of university students in dealing with scientific primary literature</i>)		
	Prof. Augustin Kelava & Dipl.-Psych. Benjamin Anders (<i>Project: MoKoMasch - Modeling Competencies of Mechanical Engineering Students in the Areas of Construction, Design and Production Engineering</i>)		
	Prof. Niclas Schaper (<i>Project: KUI - teaching competencies in informatics</i>)		
2	Competency Acquisition / Longitudinal Approach	Prof. Ronald Hambleton	Prof. Rolf van der Velden
	Prof. Alexander Renkl & Anke Wischgoll (<i>Project: LeScEd - Learning the Science of Education</i>)		
	Janina Roloff Henoch (<i>Project: SEKO - Teachers' self-regulation as a generic aspect of professional competence: Stability and change in teacher training at the university and predictive validity</i>)		
3	Innovative Methods for the Assessment of Competencies	Prof. Alicia Alonzo	Prof. Roger Benjamin
	Anne Roth (<i>Project: PRO-SRL Product- and process-oriented modeling and assessment of self-regulated learning competencies in tertiary education</i>)		
	Prof. Cornelia Gräsel (<i>Project: COMPARE – Competent Argumentation with Evidences. Measurement and Modeling in Educational Sciences and Transfer from Medical Studies</i>)		
	Dr. Edith Braun & Julia-Carolin Brachem (<i>Project: KomPaed - Task-related skills in educational fields of occupational activities</i>)		
	Dr. Christoph Kulgemeyer & Elisabeth Tomczyszyn (<i>Project: ProfiLe-P - Professional Knowledge of Physics Student Teachers</i>)		

Saturday, 29 November 2014

Johannes Gutenberg University Mainz

09.00 – 10.30	Sessions
10.30– 10.45	Coffee Break
10.45 – 11.45	Sessions
11.45 – 12.45	Lunch
12.45 – 13.15	Further Perspectives on Competence Research in Higher Education Dr. Dirk Van Damme (Head of the Innovation and Measuring Progress (IMEP) Division, OECD) Dr. Jutta von Maurice (Executive Director of Research, National Educational Panel Study, NEPS)
13.15 – 14.00	Prof. Jan-Eric Gustafsson (University of Gothenburg) Moderation by Prof. Fritz Oser <i>Keynote III: "The KoKoHs results in relation to a framework of competence modelling and assessment"</i>
14.00 – 15.00	Panel Discussion and Conclusion Moderation by Prof. Christiane Spiel Prof. Alicia Alonzo, Dr. Roger Benjamin, Prof. Ronald K. Hambleton, Prof. Hans Anand Pant, Dr. Dirk Van Damme, Dr. Jutta von Maurice

15.00	Closing Remarks Prof. Olga Troitschanskaia & Prof. Hans Anand Pant
15.30 – 15.30	Internal Coffee Break
15.30 – 17.00	Internal Panel Discussion (in German) German Federal Ministry of Education and Research (BMBF), Project Management Agency of the German Aerospace Centre (DLR) <i>"Further Research in the Thematic Field of KoKoHs"</i>

Session	Thematic focus	Discussant	Chair
1	Modeling and Assessing Structure and Levels of Competencies	Dr. Timo Bechger	Prof. Hamish Coates
	Dr. Daniel Schneider, Petra Danielczyk & Eva Weinberger (<i>Project: HEED - Higher Entrepreneurship Education Diagnostics</i>)		
	Prof. Nicola Brauch (<i>Project: SOSCIE - Future Social Sciences Teacher's Competencies</i>)		
4	Validation Capabilities of Specialized Knowledge Tests with Focus on Differential and Prognostic Validity	Prof. Ronald Hambleton	Prof. Sigrid Blömeke
	Stefan Hartmann (<i>Project: Ko-WADiS - Evaluating the development of scientific literacy in teacher education</i>)		
	Florina Stefanica, Stefan Behrendt & Elmar Dammann (<i>Project: KoM@ING - Modeling and developing competences - integrated IRT based and qualitative studies with a focus on mathematics - and its usage in engineering education</i>)		
	Prof. Olga Zlatkin-Troitschanskaia, Jun.-Prof. Manuel Förster & Sebastian Brückner (<i>Project: WiwiKom - Modeling and measuring competencies in business and economics among students and graduates</i>)		
5	Correlation between Teaching-Learning Conditions and Competency Levels	Prof. Alicia Alonzo	Prof. Rolf van der Velden
	Simone Dunekacke (<i>Project: KomMa - Structure, level and development of kindergarten teachers' professional competencies in mathematics</i>)		
	Dr. Frank Musekamp (<i>Project: KOM-ING - Modelling and Measurement of Competencies of Engineering Mechanics in the Training of Mechanical Engineers</i>)		
	Prof. Silke Grafe, Prof. Bardo Herzig, Prof. Niclas Schaper (<i>Project: M³K - Modelling and measuring of pedagogical media competence</i>)		
	Stefanie Berger & Franziska Bouley (<i>Project: KoMeWP - Modeling and measurement of content knowledge and pedagogical content knowledge in Business and Economic Education</i>)		
	Prof. Timo Ehmke, Prof. Udo Ohm et al. (<i>Project: DaZKom - Professional competencies of prospective teachers (secondary schools) for German as a Second Language (GSL)</i>)		