



LEAD Retreat

Wednesday, October 20, 2021

Time	Topic	Place
06.30	Bus Departure in Tübingen <i>Bring along your 3G certificate!</i>	Europastrasse / Fernbussteig
08.30-09.15	Arrival at the Retreat Venue & Coffee and Pretzels <i>Schönblick Christliches Gästezentrum Württemberg Willy-Schenk-Straße 9 73527 Schwäbisch Gmünd</i> <i>Bring along your 3G certificate!</i>	Foyer
09.30-10.00	Welcome and Introduction <i>LEAD Co-Directors & LEAD Managing Director</i>	Forum 1
10.00-11.15	New Members' Presentations	Forum 1
11.15-11.30	Organizational Information about the Retreat <i>Scientific Coordination & PhD Representatives</i>	Forum 1
11.45-12.45	Social Activity – Walk <i>Katja Kukolj</i>	Meeting Point: Foyer
13.00-13.30	Lunch	Dining Area
14.15-15.15	“Analysis of (Digital) Working Tools Using the Artifact-Centric Activity Theory – The Example of the Blue-Bot” <i>Keynote by Silke Ladel (PH Schwäbisch Gmünd University of Education)</i>	Forum 1
15.15-16.00	Coffee Break & Check-In	Foyer
16.00-17.00	“Simulation-Based Learning in Higher Education” <i>Keynote by Frank Fischer (University of Munich)</i>	Forum 1
17.15-18.00	PhD Meeting (Forum 1) <i>PhD Representatives</i>	Forum 1 & 2
	PostDoc Meeting (Forum 2) <i>PostDoc Representatives</i>	
18.00-19.00	Dinner <i>Randomized Seating Order</i>	Dining Area
19.00-20.00	PI/Member Meeting <i>LEAD Co-Directors & Managing Director</i>	Forum 2
20.15-Open End	Social Event – Interactive Game <i>PhD Representatives & New PhD Candidates</i>	Forum 1



LEAD Retreat

Thursday, October 21, 2021

Time	Topic	Place	
07.00-07.45	Early Morning Yoga <i>Salome Wörner</i>	Forum 2	
08.00-08.45	Breakfast	Dining Area	
09.00-10.00	“Language Proficiency and Academic Success of International Students at German Universities” Keynote by Katrin Wisniewski (Leipzig University)	Forum 1	
10.00-10.30	Coffee Break	Foyer	
10.30-12.00	Poster Fair (with Coffee) (Foyer) Cf. Appendix p. 8	“Linguistic Modeling of Spoken Classroom Interactions” (Forum 1) PhD Talk by Zarah Weiss (cf. p. 9)	Foyer & Forum 1
12.00-13.00	Lunch <i>Randomized Seating Order</i>	Dining Area	
13.00-14.00	Social Activity – Walk <i>Katja Kukulj</i>	Meeting Point: Foyer	
14.15-15.15	“Hybrid Human-AI Regulation: Supporting Young Learners Self-Regulated Learning” Keynote by Inge Molenaar (Radboud University)	Forum 1	
15.15-15.30	Coffee Break	Foyer	
15.30-17.00	Poster Fair (with Coffee) Cf. Appendix p. 10	Foyer	
17.00-18.00	“Open Science Practices in Psychology - Rationales, Lessons Learned and Tools” Discussion Forum by Tanja Burgard & Roland Ramthun (Leibniz Institute for Psychology)	Forum 1	
18.00-19.00	Dinner	Dining Area	
20.00-Open End	Social Gathering, Board Games & Campfire <i>Ines Pieronczyk & Pia Scholze</i>	Forum 1 & 2 & Outside	



LEAD Retreat

Friday, October 22, 2021

Time	Topic	Place
07.00	Social Activity – Morning Run (approx. 5km) <i>Markus Kleinhansl</i>	<i>Meeting Point: Foyer</i>
08.00-08.45	Breakfast & Check-Out	<i>Dining Area</i>
09.00-10.00	“Evidence-Based Quality Development in Education: Current Activities in Baden-Württemberg” Keynote by Benjamin Fauth <i>(Institute for Educational Analysis Baden-Württemberg)</i>	<i>Forum 1</i>
10.00-10.30	Coffee Break	<i>Foyer</i>
10.30-12.00	Poster Fair (with Coffee) <i>Cf. Appendix p. 11</i>	<i>Foyer</i>
12.00-12.30	Wrap Up Scientific Coordination	<i>Forum 1</i>
12.30-13.30	Lunch	<i>Dining Area</i>
14.00	Bus Departure Schwäbisch Gmünd to Tübingen <i>Bring along your 3G certificate!</i>	<i>Foyer</i>
16.00	Arrival in Tübingen	<i>Europastrasse / Fernbussteig</i>



Organizational Notes

LEAD Info Point

During the retreat, our **LEAD Info Point** placed in the foyer will be open to answer any question and make your stay as comfortable as possible.

Check-In

Please check-in at our **LEAD Info Point** in the foyer. Our staff will hand out the room keys to you. Earliest **check-in** time for the bedrooms is **3.00 pm**. **Check-out** time is before **10.00 am**.

3G Certificate

Please have your 3G certificate (vaccinated, recovered or tested (test certificate needs to be no older than 24 hours) ready when arriving at the venue. We are obligated to check your certificate at arrival. For everyone travelling by bus, we will check your certificates before you enter the bus (at 6.15 am on Wednesday).

Hygiene Rules

Please wear a mask (medical or FFP2 mask) at all-time indoors except during meals or coffee breaks. Please also make use of the disinfection dispensers, which are available in the entire building. Self-tests as well as masks will be available free of charge at the **LEAD Info Point**.

Seating Order

To provide an opportunity for you to get more familiar with all LEAD members, there will be a randomized seating order for the **dinner on Wednesday** and the **lunch on Thursday**. Please look for the place card with your name and enjoy an inspiring meal with your colleagues.

Beverages

Mineral water and juice will be provided throughout the retreat. Coffee, tea and snacks will be provided during coffee breaks. We ask that you pay for all other drinks (especially during evening sessions) at the reception before you leave.

Poster Fairs

For the poster fair, the PhD candidates prepare posters and present their PhD projects in 2-5 minutes to small groups of other LEAD members and guests. Everyone is invited to ask questions or make comments.

Keynote Speech

Distinguished national and international guests are invited to give a talk about keynote topics. Everyone attending the retreat and especially our PhD candidates, should make use of the opportunity to interact with the guests during coffee breaks and social activities.

Wifi Access

Free Wifi is available in the entire building and without password.

Swimming Pool & Sauna

Feel free to use the facilities of the hotel during your stay. Please keep in mind the person limit of 20 in the pool area and a person limit of 4 in the sauna.

Travel Reimbursement

Please note that LEAD does *not* pay a daily allowance (*Tagegeld*). We kindly ask for your understanding. Please see the [LEAD Information Memo: LEAD Business Travel Authorization & Reimbursement](#) for specific procedures regarding travel authorization and reimbursement.



Keynote Speakers

Silke Ladel

“Analysis of (Digital) Working Tools Using the Artifact-Centric Activity Theory - The Example of the Blue-Bot” *Keynote on Wednesday, 14.15 – 15.15 (Forum 1)*



After studying teaching, Silke worked several years at a primary school. In this time, she also did her postgraduate studies for the diploma in education. This was followed by 6 years as an academic associate with changing proportions of teaching and research and her doctoral studies. In 2009, she graduated with a degree in Mathematics Education with the title *“Zur Bedeutung multipler externer Repräsentationen und deren Verknüpfung durch Computereinsatz für das Mathematiklernen im Anfangsunterricht”*. From 2012 till 2018, she worked as a professor for Mathematics Education at the University of Saarland, where she established the course of study for Primary and Secondary school teaching (class 1-9). Since 2018 she held a professorship for Mathematics and Mathematics Education at the University of Education in Schwäbisch Gmünd.

Frank Fischer

“Simulation-Based learning in Higher Education“

Keynote on Wednesday, 16.00 – 17.00 (Forum 1)



Frank Fischer studied psychology at the Universities in Trier and Aachen, obtained a doctorate in 1997 from Ludwig Maximilian University (LMU) in Munich. After professorships for general and instructional psychology and for research on learning and instruction at the Universities of Erfurt and Tübingen, he became a full professor for educational science and educational psychology at LMU in 2006. There he has been teaching the psychology of learning and instruction and the learning sciences for study programs in psychology, as well as educational science and teacher education. His research focuses on how people learn to engage in scientific reasoning and argumentation, as well as in diagnostic reasoning. Settings include computer-supported collaborative learning and simulation-based learning environments in secondary school and in higher education. He has (co-)supervised more than 30 PhD theses. He served as the Director of the Department of Psychology at LMU and Dean of Faculty. He was the President of the International Society of the Learning Sciences. Currently, he is the Director of the Munich Center of the Learning Sciences, which involves more than 50 researchers from 8 faculties who engage in interdisciplinary research projects and in international masters' and PhD programs in the learning sciences. Since 2019 he is an elected member of the Bavarian Academy of Sciences.



Keynote Speakers

Katrin Wisniewski

“Language Proficiency and Academic Success of International Students at German Universities” *Keynote on Thursday, 09.00 – 10.00 (Forum 1)*



After her PhD at the Technical University of Dresden with a focus on the empirical validity of the Common European Framework of Reference scales, Katrin worked as a researcher at the Herder Institute at Leipzig University. Since December 2020, she is a guest professor for German as a Foreign/Second Language at the Justus-Liebig-Universität in Gießen. Her research concentrates on the acquisition of German as an L2, learner corpus linguistics, language assessment, and the link between L2 proficiency and academic achievement. Recently, she conducted a longitudinal research project that focused on the role of L2 proficiency in German for the academic success of international students at German universities.

Inge Molenaar

“Hybrid Human-AI Regulation: Supporting Young Learners Self-Regulated Learning” *Keynote on Thursday, 14.15 – 15.15 (Forum 1)*



Inge is an associated professor for Educational Sciences at the Behavioural Science Institute at Radboud University in the Netherlands. She has over 20 years of experience in the field of technology enhanced learning taking multiple roles from entrepreneur to academic.

Her research in the Adaptive Learning Lab focusses on technology empowered innovation to optimize students' learning. The application of data, learning analytics and Artificial Intelligence to understand how learning unfolds over time is central in her work. Artificial Intelligence offers a powerful way to make new steps towards measuring, understanding and designing innovative learning scenarios. Inge has just received an ERC Starting Grant to develop the first *Hybrid Human-AI Regulation system* to train young learners' Self-regulated learning skills with the help of AI and she also recently became a Jacobs Foundation Fellow. Inge holds Master's degrees in Cognitive Psychology and International Business studies (Maastricht University) and a PhD in Educational Sciences (University of Amsterdam).



Keynote Speakers

Tanja Burgard & Roland Ramthun

“Open Science Practices in Psychology – Rationales, Lessons Learned and Tools” Discussion Forum on Thursday, 17.00 – 18.00 (Forum 1)



After receiving master degrees in survey statistics and economic sociology at the University of Trier in 2016, Tanja started working as a research associate at the Leibniz Institute for Psychology (ZPID) in 2017. Since then, her research focuses on meta-analytic methods and survey methodology and she wrote her PhD thesis on cumulative meta-analysis and robustness of evidence in survey methodology. Above this, she conceptualized and developed a platform for Community-Augmented Meta-Analysis, PsychOpen CAMA, and became the acting head of the Research Synthesis Unit at ZPID in January 2021.



Roland studied computational linguistics and phonetics at Trier University. Dealing with a lot of programming, algorithms, and numbers, he ventured as a consultant into the field of information technology after his studies. Nowadays he is working as head of IT and head of archival and publication services at the Leibniz Institute for Psychology (ZPID).

Benjamin Fauth

“Evidence-Based Quality Development in Education: Current Activities in Baden-Württemberg” Keynote on Friday, 09.00 – 10.00 (Forum 1)



Benjamin is Head of the Department for Empirical Educational Research at the Institute for Educational Analysis Baden-Württemberg (IBBW) and Adjunct Professor at the Hector Research Institute of Education Sciences and Psychology. He received his PhD from Frankfurt University. His research focusses on teaching quality and the professional competence of teachers. Between 2014 and 2019, Ben was a Junior Professor at the Hector Research Institute. Ben's department at IBBW is, among others, responsible for bridging research-to-practice gaps and for innovative approaches to implementation research and practice.

Poster Fair

Thursday, 10.30-12.00 (Foyer)

Name	Type	Title
Luisa Scherzinger	PhD Poster	Turning Individual Research Doodles into one Picture: A Review of Bilingual Education Teachers' Competences
Fitore Morina	PhD Poster	The Effectiveness of Teacher Online Professional Development - A Meta-Analysis
Benedikt Gottschlich	PhD Poster	Challenge of Teaching Electric Circuits: Does a Context-Based Approach help? - Outline of PhD Project
Armin Fabian	PhD Poster	Measuring Technological Pedagogical Content Knowledge (TPACK) with a Test-Based Instrument
Ines Pieronczyk	PhD Poster	Exploring the Longterm Development of Students' Situative Motivation when using an ITS for Second Language Learning
Vivian Gunser	PhD Poster	Can Users Distinguish Narrative Texts written by an Artificial Intelligence Writing Tool from Purely Human Text?
Fabian Stöhr	PhD Poster	A Cartography of the Semantic Vector Space of Sociology – A Large Scale Approach to Explore Macro Structures in the Field
Wy Ming Lin (Michiko Sakaki, Xiaobin Chen)	IMRF Poster	Role of Emotion in the Dynamic Process of Self-Regulated Learning
Patricia Goldberg & Lisa Hasenbein	IMRF Poster	Virtual Assessment of Teachers' Professional Competencies (VirATeC)
Ingrid Bildstein & Manuela Mild	LRC Poster	Science Communication at LEAD
Ulrike Michael & Claudia Schlenker	LRC Poster	"Schools & Research" – LEAD Support System for Scientists

*IMRF = Intramural Research Fund
*LRC = LEADing Research Center



PhD Talk

Thursday, 10.30-12.00 (Forum 1)

“Linguistic Modeling of Spoken Classroom Interactions” by Zarah Weiss



I present first results of modeling the linguistic properties of authentic teacher-learner interactions in German as a Second Language (GSL) classrooms in Germany. Introducing learners to increasingly elaborate and variable language in their Zone of Proximal Development (ZPD; Vygotsky, 1979) is essential for successful (second) language acquisition (Cummins, 2000; Gilmore, 2007; Krashen, 1985; Swain, 1985). However, adapting language input to individual learners' proficiency levels presents challenges to teachers in heterogeneous learning groups and the extent to which teachers use their language in linguistically variable and adaptive ways in practice has hardly been studied so far, with a few exceptions dedicated to the study of academic language acquisition of native speakers (Kleinschmidt-Schinke, 2018; Weiss et al., in press).

This work addresses this research gap by tracking the linguistic complexity of utterances in real-life classroom interactions, investigating if and how GSL teachers adapt the complexity of their language in the classroom when addressing the entire class versus individual learners. The findings show that teachers systematically vary their language based on whom they address, providing learners with richer and more variable linguistic input. The talk will end with an open discussion of methodological challenges that need to be addressed to allow further analyses of teacher-learner interactions taking into account additional factors such as learners' language proficiency or the internal structure of the GSL lessons. An extended version of this abstract including all references can be found [here](#).



Poster Fair

Thursday, 15.30-17.00 (Foyer)

Name	Type	Title
Salome Wörner	PhD Poster	Development and Validation of the Converging Lenses Concept Inventory (CLCI)
Patrizia Bieber	PhD Poster	The ELEMUG Project – Parental Attitudes and Learning an Instrument at Primary School Age
Thomas Gfrörer	PhD Poster	The Effects of Out of School Engagement in Science on Adolescents' Vocational Interests, Occupational Aspirations, Competencies, Grades and Ability-Beliefs
Markus Kleinhansl	PhD Poster	System Thinking in Education for Sustainable Development – Piloting an Instrument for Elementary School Students.
Anna Bareis	PhD Poster	Does Conscientiousness Compensate for Low Interest in a Lab Setting?
Pia Rox	PhD Poster	<i>Jugend präsentiert</i> Study: A Rating System for the Effectiveness of Presentation Feedback
Salome Wagner	PhD Poster	Mapping the Landscape of Research on Computer-Based Feedback Tools to Foster Students' Expository Writing
Bobby (Robert) Whyte	PhD Poster	Supporting Young Children's Computational Thinking Through Integrated Programming and Storytelling Activities
Babette Bühler & Patricia Goldberg	IMRF Poster	Mind-Wandering Types in Online Learning Environments – A Multi-Modal Machine-Learning Approach
Till Fütterer & Lisa Bardach	IMRF Poster	Artificial Intelligence and Feedback in Education – A Systematic Literature Review

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Poster Fair

Friday, 10.30 - 12.00 (Foyer)

Name	Type	Title
Katharina Fleig	PhD Poster	NLP-Based Learner Assessment for Feedback Generation
Lilly Buhr	PhD Poster	Variance Components of Temporal Fluctuations in Working Memory and Self-Regulation
Philipp Stark	PhD Poster	Gaze-Based Attention Networks
Babette Bühler	PhD Poster	Automated Analysis of Hand Raising Behavior in the Classroom
Alexander Jung	PhD Poster	Biases in Cross-Lagged Panel Models with Unaccounted Time-Constant Random Slopes
Yoana Omarchevska	PhD Poster	Do Video Modeling and Metacognitive Prompts Improve Self-Regulated Scientific Inquiry?
Emily Corwin-Renner	PhD Poster	Motivation Regulation Strategies Targeting Enjoyment of Learning
Ann-Kathrin Jaggy (& Katerina Tsarava)	IMRF Poster	The Missing Link Between Computational Thinking & Creativity

**IMRF = Intramural Research Fund*

New Members (and Members to-be)

	Name	Status
1	Aki Schumacher	PhD Candidate
2	Ann-Kathrin Jaggy	PostDoc
3	Benedikt Gottschlich	PhD Candidate
4	Bobby (Robert) Whyte	PhD Candidate
5	Franziska Tschönhens	PhD Candidate
6	Hannah Deininger	PhD Candidate
7	Hayley Jach	PostDoc
8	Janina Eberhart	PostDoc
9	Luis Oberrauch	PostDoc
10	Martin Hecht	PostDoc
11	Michaela Socher	PostDoc
12	Ramon Ziai	PostDoc
13	Rosa Lavelle Hill	PostDoc
14	Simone Oechslen	LEAD Managing Director
15	Tosca Panetta	PhD Candidate
16	Vivian Gunser	PhD Candidate
17	Wy Ming Lin	PhD Candidate