

Conference Programme

Conference of the EARLI Special Interest Group 18

SIG 18 “Educational Effectiveness and Improvement”

“Diversity and Inclusion as Challenges for Educational Effectiveness and Improvement”

5–7 September 2022, Freiburg, Germany



University of Education Freiburg, Germany

SPONSORED BY THE



Hochschule
FÜR MUSIK
Freiburg

	Sunday, 4 Sept	Monday, 5 Sept	Tuesday, 6 Sept	Wednesday, 7 Sept
09:00		Welcome & Coffee	Welcome & Coffee	Welcome & Coffee
09:15				
09:30		Conference Opening	Session 3	Session 5
09:45				
10:00		Coffee Break	3A 3B 3C Symposium 3	5A 5B Symposium 5
10:15				
10:30		Keynote 1: Prof. Dr. Kim Schildkamp (University of Twente)		
10:45				
11:00			Coffee Break	Coffee Break
11:15				
11:30		Poster Session & Coffee	Keynote 2: Prof. Dr. Gil Noam (Harvard Medical School)	Session 6
11:45				
12:00				6A 6B Symposium 6
12:15				
12:30		Lunch Break	Lunch Break	
12:45				
13:00				Conference Closing
13:15		Session 1	Session 4	
13:30				
13:45		1A 1B 1C Symposium 1	4A 4B Symposium 4	Lunch & Farewell
14:00				
14:15				
14:30				
14:45				
15:00		Coffee Break	Coffee Break	
15:15				
15:30		Session 2	Keynote 3: Prof. Dr. Umesh Sharma (Monash University)	
15:45				
16:00		2A 2B 2C Symposium 2		
16:15				
16:30			Break	
16:45				
17:00		Break	EARLI SIG 18 Business Meeting	
17:15				
17:30	City Tour	JURE Meeting		
17:45				
18:00				
18:15				
18:30				
18:45				
19:00	Welcome Evening		Conference Dinner	
19:15				
19:30		JURE Dinner		

City Tour **Time: 17:00-18:30** Rathausplatz at the fountain

To get to know the city of Freiburg before the start of the conference, we are offering a guided city tour on **Sunday, 4 September, from 5-6.30 pm.**

The highlights of Freiburg's historical city centre will be presented.

If you are interested, please send a short message to earli2022sig18@ph-freiburg.de.
A spontaneous participation is also possible.

Participation is free of charge.

Meeting point: Rathausplatz at the fountain (Rathausplatz 2-4, 79098 Freiburg)

Nearest tram station: "Bertoldsbrunnen" (tramlines 1, 2, 3, 4) and then 5 min walk

Welcome Evening **Time: 19:00** Kastaniengarten

To get to know other participants before the start of the conference, we will start with a welcome evening in a Freiburg beer garden on **Sunday, 4 September, at 7 pm.**

The "Kastaniengarten" is one of the most beautiful and oldest beer gardens in South Baden. There is a magnificent view over the city - the perfect place to enjoy a nice evening together before the conference.

[Webpage](#)

Address: Schlossbergring 3, 79098 Freiburg

Tram station: 5 min walk from "Oberlinden" (tramline 1, direction "Laßbergstraße") or 10 min walk from "Bertoldsbrunnen" (tramlines 1, 2, 3, 4)

Welcome & Coffee **Time: 09:00 – 09:30** Mensa, Mezzanine Floor

Conference Opening **Time: 09:30 – 10:00** KG 5, 104

Coffee Break **Time: 10:00 – 10:30** Mensa, Mezzanine Floor

Keynote 1 **Time: 10:30 – 11:30** KG 5, 104

From Data to Information to... Students!
Prof. Dr. Kim Schildkamp (University of Twente)

Poster Session **Time: 11:30 – 12:30** Mensa, Mezzanine Floor

Perception of and Coping with Multiple Institutional Discrimination by Young Women at School
Eva Dalhaus

Enhancing Adolescents' Ability to Learn From Errors Through Emotional and Metacognitive Teaching
Cristina Pascua Martin, Nagore Ipiña Larrañaga, Kou Murayama

Maximise Chances for Struggling Prevocational Students: A Framework of Effective Teaching Principles
Charlotte Arnou, Heline Van Peteghem, Inge Placklé, Machteld Vandecandelaere

Effects of Supplemental Instruction on Learning Outcomes: A Randomized Controlled Trial
Izaak Dekker, Marie Jose Koerhuis

Supporting the Use of a Dot-Array App – Differential Effects on the Acquisition of Operation Sense
Eva Schultheis, Katharina Loibl, Timo Leuders, Marita Eva Friesen

Teachers' Individual Frame of Reference and Students' Academic Self-Concept in Inclusive Classes
Evangelia Kouka, Katja Scharenberg, Sebastian Röhl

Lunch Break **Time: 12:30 – 13:30** Mensa

Session 1

Session 1A		Time: 13:30 – 15:00	KG 5, 103
Achievement			
Chair Steve Strand	English as an Additional Language, Proficiency in English and Educational Achievement in England Steve Strand Learning Progress in Reading Comprehension From Grade 4 to Grade 6 on the PIRLS-Scale in Flanders Jonas Dockx, Koen Aesaert, Rianne Janssen The Math Performance Decline in Flanders: A Closer Look From the Grade 6 Math National Assessments Mieke Goos, Sascha Spicik, Jo Denis, Rianne Janssen		

Session 1B		Time: 13:30 – 15:00	Mensa 032
Attitudes and Beliefs in Education			
Chair Sergej Wüthrich	“Prinzip Vielfalt”: Effects of a Diversity Awareness Programme on Children’s Inclusive Attitudes Sergej Wüthrich, Michelle Lüthi, Michael Eckhart, Caroline Sahli Lozano How Biology and Religious Education Teachers Diagnose Student Attitudes on Creation and Evolution Tobias Hoppe, Christiane Konnemann, Christian Höger, Alexander Renkl, Werner Rieß		

Session 1C		Time: 13:30 – 15:00	Mensa -202
Teaching Quality and Student Achievement			
Chair Antonis Dervenis	Teachers' Instructional Behavior and Student Background Characteristics: A Systematic Review Antonis Dervenis Making Connections Between Teaching Quality and Student Achievement in Taiwan Po Tsai The Relation of Perceived Teaching Quality to Student Outcomes: The Mediation of Learning Activities Ayşenur Alp Christ, Vanda Capon-Sieber, Carmen Köhler, Eckhard Klieme, Anna-Katharina Praetorius		

!The order of the presentations is as mentioned above!

Monday, 5 September 2022

Symposium 1

Time: 13:30 – 15:00

KG 5, 104

Changes in School and Teaching Cultures over the Last 40 Years

Chair

Tobias Feldhoff,
Eckhard Klieme

Discussant

Falk Radisch

The Project “School Cultures in Change”

Tobias Feldhoff, Eckhard Klieme, Sabine Reh

Measurement Invariance Analyses for the Investigation of Changes in School Culture Over 40 Years

Sebastian Wurster, Tobias Feldhoff

Profiles of Teaching Culture and Their Relation to Student Outcomes Over Time

Brigitte Steinert, Julia Dohrmann, Eckhard Klieme, Christine Schmid

Coffee Break

Time: 15:00 – 15:30

Mensa, Mezzanine Floor

Session 2

Session 2A		Time: 15:30 – 17:00	Mensa 032
Peer Relations and Social Outcomes			
Chair Marij Veldman	Changes in Patterns of Peer Relationships in Classroom Networks Through Cooperative Learning Marij Veldman, Simone Doolaard, Roel J. Bosker, Tom Snijders		
	How Social Similarities Structure Peer Relations in Inclusive Settings Hannah Decker, Sebastian Röhl, Katja Scharenberg, Wolfram Rollett		

Session 2B		Time: 15:30 – 17:00	Mensa -202
Digital Learning			
Chair Beatriz Gallo Cordoba	Ethnic Achievement Gaps and Digital Exclusion: Evidence From Colombia Beatriz Gallo Cordoba		
	Voluntary E-learning Exercises Support Students in Mastering Statistics Jakob Schwerter, Taiga Brahm		
	Effective ICT Uses on Mathematics Achievement for Immigrants in Western and Chinese Countries Mei-Shiu Chiu, Christin Laschke		

Session 2C		Time: 15:30 – 17:00	KG 5, 103
Effects of Teaching and Teachers			
Chair Maria Anastasou	A Synthesis of Teacher and School Improvement Studies Searching for Effects on Learning Outcomes Maria Anastasou, Leonidas Kyriakides, Tryfonas Papadamou, Elena Kokkinou		
	Student Habitus and Cultural Fit – A Challenge for School Development Robert Pham Xuan		

Symposium 2		Time: 15:30 – 17:00	KG 5, 104
Diversity and Inclusion as Opportunities for Educational Effectiveness and Improvement in US Schools			
Chair Heather Price	Local Migration Contexts and Latino Children’s Access to Educational Resources Jacob Hibel		
Discussant Heather Price	Remedying the School to Prison Pipeline: Lessons From Successful US Districts Mariella Arredondo		
	Shadow Schools: How Segregated Learning Opportunities Persist in American Districts Heather Price		

SIG 18 JURE Meeting	Time: 17:15 – 18:15	KG 5, 104

JURE Dinner	Time: 19:30	Primo Markt
<p>For an informal get-together after the JURE meeting, we reserved a table in a delicious Italian restaurant on Monday, 5 September, at 7.30 pm. During the day, the Trattoria “Primo Markt” is an Italian supermarket – in the evening, the gangways fill up with guests enjoying the delicious food there. There is great home-made pasta and other delicious dishes or pizza - as the chef of the house would say.</p> <p>Address: Bernhardstr. 6, 79098 Freiburg Tram station: 15 min walk from “Bertoldsbrunnen” (tramlines 1, 2, 3, 4) or 5 min walk from “Europaplatz” (tramlines 4, 5)</p>		

Welcome & Coffee Time: 09:00 – 09:30 Mensa, Mezzanine Floor

Session 3

Session 3A Time: 09:30 – 11:00 Mensa -202

Learning and Educational Inequalities in Times of the Pandemic

<p>Chair Francesca Suter</p>	<p>Effects of Pre-Pandemic School Improvement and Digital Learning on Schools in the COVID-19 Pandemic Francesca Suter, Katharina Maag Merki, Tobias Feldhoff, Tanja Rettinger</p> <p>The COVID-19 Pandemic in the School Year 2020/21: How Did the Basic Cognitive Abilities of Primary School Children Develop? Wolfram Rollett, Thomas Leitgeb, Katja Scharenberg</p>
---	--

Session 3B Time: 09:30 – 11:00 KG 5, 103

Immigrant Background

<p>Chair David Glauser</p>	<p>Effects of School Segregation on Educational Achievement Along the Educational Trajectory in Germany Robin Benz, Simon Seiler, Andrea B. Erzinger</p> <p>Consequences of Ethnic School Segregation on Educational Attainment at Upper Secondary Level David Glauser, Robin Busse, Katja Scharenberg</p>
---------------------------------------	--

Session 3C Time: 09:30 – 11:00 Mensa 032

Accountability and School Inspection

<p>Chair George Leckie</p>	<p>School Value-Added Models for Academic and Non-Academic Outcomes in School Accountability Systems George Leckie, Lucy Prior</p> <p>School Board Effects: The Measure and Stability of Four Performance Indicators Marinda Spithoff</p>
---------------------------------------	---

Symposium 3		Time: 09:30 – 11:00	KG 5, 104
Making a Case for Studying Teaching Quality Dimensions Jointly: Cognitive Activation and Adaptation			
Chair Anna-Katharina Praetorius, Charalambos Charalambous	Cognitive Activation and Adaptive Teaching: Would It Be Beneficial to Interconnect Them? Benjamin Caspar Fauth, Jasmin Decristan, Hanna Dumont		
Discussant Thilo Kleickmann	Exploring the Interplay of Cognitive Activation and Adaptation Through Data Modeling: Is It Enough? Charalambos Charalambous, Anna-Katharina Praetorius		
	Bringing Together Cognitive Activation and Differentiation From Conceptualization to Implementation Sofia Agathangelou, Charalambos Charalambous		

Coffee Break	Time: 11:00 – 11:30	Mensa, Mezzanine Floor

Keynote 2	Time: 11:30 – 12:30	KG 5, 104
Education in Times of Crisis: Learning, Development and Thriving in and Out of School Prof. Dr. Gil Noam (Harvard Medical School)		

Lunch Break	Time: 12:30 – 13:30	Mensa

Session 4

Session 4A		Time: 13:30 – 15:00	KG 5, 103
School Development and School Improvement			
Chair Luisa Grützmacher	Challenges of Disadvantaged Schools Luisa Grützmacher, Julia Holzer, Marko Lüftenegger, Barbara Schober, Manfred Prenzel		
	Improving Schools in Challenging Circumstances – Impacts of a Design-Based Development Programme Heinz Günter Holtappels, Lisa Brücher		
	A Meta-Analysis on the Effectiveness of Student Feedback on Different Aspects of Teaching Quality Sebastian Röhl, Hannah Bijlsma, Martin Schwichow		

Session 4B		Time: 13:30 – 15:00	Mensa -202
Educational Policies and Educational Reforms			
Chair Izaak Dekker	Evidence-Based Education: Objections and Future Directions Izaak Dekker, Martijn Meeter		
	The Importance of Subsystems Within a Country. An Exploration of PIRLS and TIMSS Data of Flanders Jan Van Damme, Kim Bellens, Wim Van Den Noortgate, Koen Aesaert		
	Making Sense of Educational Governance Systems in a Swiss Canton Katriina Vasarik Staub, Katharina Maag Merki, Herbert Altrichter, Claudia Marusic-Würscher		

Symposium 4		Time: 13:30 – 15:00	KG 5, 104
Educational Pathways in Stratified Education Systems: Findings From the Swiss TREE Panel Study			
Chair Thomas Meyer	Cross-Cohort Analysis of Transitions to Post-Compulsory Education: Revisiting the Meritocratic Issue Thomas Meyer, Andrés Gomensoro		
	Discussant Katharina Maag Merki	Inequality in Transitions to Upper-Secondary Education: The Role of Tracking and School Composition Katja Scharenberg, Wolfram Rollett	
The Role of Parental Investment (of Migrants) for Young Adults' Educational Success Andrés Gomensoro, Chantal Kamm, Sandra Hupka-Brunner, Marieke Heers			

Coffee Break		Time: 15:00 – 15:30	Mensa, Mezzanine Floor

Tuesday, 6 September 2022

Keynote 3

Time: 15:30 – 16:30

KG 5, 104

Why Are Some Teachers Successful in Including All Learners While Others Struggle?

Prof. Dr. Umesh Sharma (Monash University)

Business Meeting

Time: 16:45 – 17:45

KG 5, 104

Conference Dinner

Time: 19:00

Skajo

You are kindly invited to the conference dinner on **Tuesday, 6 September, at 7 pm** at Skajo Freiburg. The dinner and non-alcoholic drinks are already included, so there will be no extra costs.

We are looking forward to an enjoyable evening with a magnificent view over the rooftops of the city of Freiburg.

[Webpage](#)

Address: Skajo, Kaiser-Joseph-Str. 192, 79098 Freiburg (5th floor)

Tram station: 5 min walk "Bertoldsbrunnen" (tramlines 1, 2, 3, 4)

Welcome & Coffee Time: 09:00 – 09:30 Mensa, Mezzanine Floor

Session 5

Session 5A Time: 09:30 – 11:00 KG 5, 103

Effectiveness and Efficiency

<p>Chair Tryfonas Papadamou</p>	<p>Developing and Testing the Dynamic Model of Educational Effectiveness: A Systematic Review Tryfonas Papadamou, Leonidas Kyriakides, Elena Kokkinou, Maria Anastasou</p> <p>Unravelling School and Teacher Academic Optimism for Maximising All Students' Learning Opportunities Ruud Lelieur, Noel Clycq, Jan Vanhoof</p> <p>Student Mobility: Extent, Impacts, and Predictors for Secondary School Students in England Lucy Prior, George Leckie</p>
--	---

Session 5B Time: 09:30 – 11:00 Mensa -202

Inclusive Education

<p>Chair Irit Sasson</p>	<p>Evaluating the Accessibility of Experimental Instructions in Inclusive Science Classrooms Martina Graichen, Silke Mikelskis-Seifert, Michaela Oettle, Wolfram Rollett, Katja Scharenberg</p> <p>Effective Teaching for Students With Special Educational Needs: A Scoping Review Jolien Delafontaine, Sara Nijs, Koen Aesaert, Laura Fluyt</p>
-------------------------------------	---

Symposium 5 Time: 09:30 – 11:00 KG 5, 104

Modifying Pathways and Programmes: Student Academic Outcomes and Future Earnings

<p>Chair Gillian Parekh</p>	<p>Long-Term Implications of Modifying Grade 8 Mathematics Curriculum in Ontario, Canada Robert Brown, Samuel Zheng, Gillian Parekh, Katherine Barron</p>
<p>Discussant Robert Brown</p>	<p>Academic Streaming, Systemic Racism and Critical Notions of Care Gillian Parekh, Karen Murray, Alison Gaymes San Vincente</p> <p>Postsecondary Access, Graduation, and Future Earnings for Students With Disabilities David Walters, Gillian Parekh, Robert Brown</p>

Coffee Break

Time: 11:00 – 11:30

Mensa, Mezzanine Floor

Session 6

Session 6A

Time: 11:30 – 13:00

KG 5, 103

Tracking and Placement

Chair

Heather Price

How Privilege Monopolizes High Quality Advanced Placement Courses Despite Efforts to Widen Access

Heather Price

Semi-Hidden Tracking in the Finnish Comprehensive School

Sirkku Kupiainen, Ninja Hienonen

Is Special Education More Effective Than Mainstream Education for Special Needs Students?

Fernando Nunez-Regueiro

Session 6B

Time: 11:30 – 13:00

Mensa -202

Higher Education and Teacher Education

Chair

Kathryn Bartimote

Barriers to First-Year Student Success in the Humanities and Social Sciences

Kathryn Bartimote, Fang-Tzu Hu, Nicholas Ho, Alexandre Lefebvre, Alyson Simpson

Deceiving Appearances? Probing Predictors of Study Delay to Assess Feasibility of a Study Program

Jan Henning-Kahmann, Wolfram Rollett, Stefanie Vigerske

Two Studies, One Result: Student Teachers Are Biased by Anchors When Engaging With Evidence

Kirstin Schmidt, Kristina Bohrer, Samuel Merk

Symposium 6		Time: 11:30 – 13:00	KG 5, 104
Teachers' Use of Data for Decision Making: Perspectives on Processes and Preconditions			
Chair Jana Groß Ophoff	From Data to Information. Teacher's Perceptions of Graphical Feedback Properties Samuel Merk, Jana Groß Ophoff, Sarah Bez		
Discussant Kim Schildkamp	Teachers' Knowledge & Skills for Adaptive Decision-Making – With and Without Software for Students Trynke Keuning, Marieke van Geel		
	School Performance Feedback Use in Flanders: Exploring the Interplay of Drivers for Data Use Evelyn Goffin, Mieke Heyvaert, Rianne Janssen, Jan Vanhoof		
	Data-Based Decision Making in Schools: Examining the Process and Effects of Teacher Support Elmar Souvignier, Karin Hebbecke, Natalie Förster, Boris Forthmann, Nina Zeuch		

Conference Closing	Time: 13:00 – 13:30	KG 5, 104

Lunch & Farewell	Time: 13:30 – 15:00	Mensa, Mezzanine Floor