Version: 09.12.2024

AIDEA 2025

Sunday, February 23, 2025

Time	Activity
19:00	Optional joint dinner, Gablerbräu: www.gablerbrau.at

Monday, February 24, 2025

Time	Activity	
9:00-9:30	Opening and introduction	
9:30-10:30	Refactoring Computer Science & Data Science Education in the Age of Generative AI, **Orit Hazzan**	
10:30-11:00	Break	
11:00-12:30	CRITICAL EDU & SOCIAL GOOD 1: Critical Bildung: Society as Algorithmic Social Machine? Machine metaphors for the Digital Enlightenment **Harald Gapski** 2: On creative thinking in AI and data science education, **Dan Verständig** 3: Unplugged activities as introduction to data science with focus on ethical and social dimensions, **Christian Andersson**	DS EDUCATION & SOCIAL GOOD 4: Data science for informed citizen: Learning at the intersection of data literacy, statistics and social justice, **Joachim Engel** 5: Data are at the Center of Data Science: My take on what everyone should know about data, **Arne Bathke** 6: High-school data science: a "data moves" perspective, **Tim Erickson**
12:30-13:45	Lunch	
13:45-14:45	Generation AI: Tools for AI Education, **Matti Tedre, Henriikka Vartiainen**	
14:45-15:15	Break	
15:15-16:15	LEARNING MATERIAL ON AI/ DESIGN PRINCIPLES 7: Data-related concepts, practices and design principles for teaching AI topics in secondary schools, **Viktoriya Olari** 8: AI in an online schoolbook, **Hannes Heusel**	AI & DS CURRICULA/LEARNING MATERIAL 9: TBA, **Britta Kölling** 10: Fostering data and AI competencies in primary schools, **Anja Gärtig-Daugs**
16:15-16:55	Small group discussions	

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17:00-18:00	Workshop 1: TBA, **Erickson**	Workshop 2: **Matti Tedre, Henriikka Vartiainen**
18:30	Optional joint dinner: La Cantinetta, www.cantinetta.at	

Tuesday, February 25, 2025

Time	**Activity**	
9:00-9:30	Morning session, recap of day 1	
9:30-10:30	Lessons Learned from the ProDaBi Project: Shaping Perspectives at the Intersection of Data, AI, and Education, **Rolf Biehler, Carsten Schulte**	
10:30-11:00	Break	
11:00-12:30	PRODABI PERSPECTIVES TBA, **Yannik Fleischer, Lukas Höper**	PRODABI PERSPECTIVES Empowering students to gain insights within data exploration projects in the classroom - Using, modifying and creating data moves through a scaffolded use of digital tools, **Sven Hüsing, Susanne Podworny**
12:30-13:45	Lunch	
13:45-14:45	TBA, **Sarah Schönbrodt, Steffen Schneider**	
14:45-15:15	Break	
15:15-16:15	AI & DS EDUCATION FROM A MATH PERSPECTIVE 11: Competencies and curriculum implications at the intersection of mathematics, data science and statistics, **Cathy Smith** 12: TBA, **Martin Frank**	LEARNING MATERIAL ON AI – MATH PERSPECTIVE 13: Unsupervised machine learning as learning content in lower secondary school, **Katharina Bata** 14: Analysis of artificial neural networks as mathematical functions in the classroom, **Stephan Kindler**
16:15-17:00	Small group discussion	
18:30	Optional joint dinner: TBA	

Wednesday, February 26, 2025

Time	Activity	
9:00-9:30	Morning session, recap of day 2	
9:30-10:30	Research to Practice: Designing Learning Experiences for Teachers around Reading the World and the World with Data Visualizations, **Travis Weiland**	
10:30-11:00	Break	
11:00-12:30	AI COMPETENCIES 15: AI interaction competencies: feedback literacy and legitimation code theory semantics, **Jaine Waite** 16: Constructing & Deconstructing Large Language Models in High School Classrooms, **Karl-Emil Kjær Bilstrup** 17: Data and AI Readiness: Competencies for school students to become informed citizens, **Katharina Schüller**	AI EDUCATION IN CS 18: On the Interdependency between Artificial Intelligence and Environment and its Implications on CS Education, **Marc Berges** 19: AI as content not tool, **Arnold Pears** 20: Understanding understanding AI, **Andreas Mühling**
12:30-13:15	Small group discussion	
15:30-17:30	City Tour	

Thursday, February 25, 2025

Time	Activity	
9:00-9:30	Morning session, recap of day 3	
9:30-10:30	Exploring a US Framework of Learning Progressions for K-12 Data Science Education, **Katherine Miller, Thema Monroe-White, Michelle Wilkerson**	
10:30-11:00	Break	
11:00-12:30	AI LITERACY IN SCHOOL 21: Navigating the Digital Frontier - Teaching Data Science and AI Skills in the Austrian school subject digital literacy, **Martin Geroldinger** 22: Providing AI Literacy in Schools – Two Sides of a Medal, **Gerald Steinbauer-Wagner** 23. Data and AI Literacy … with creativity and fun! **Kate Farrell**	DS FROM A MATH PERSPECTIVE 24: Software-supported and simulation-based introduction to significance tests, **Karin Binder** 25: Data cleaning in mathematics education, **Jakim Eckert** 26. **NN**
12:30-13:45	Lunch	
13:45-14:45	Design principles and resources for introductory AI lessons for 11 to 14 year old learners, **Jane Waite, Sue Sentance**	
14:45-15:30	Small group discussion	
15:30-16:00	Break	
16:00-17:15	Panel Discussion	
18:30	Symposium Dinner, Sternbräu, www.sternbrau.at	

Friday, February 25, 2025

Time	Activity
9:00-9:30	Morning session, recap of day 4
9:30-10:30	General discussion of the symposium
10:30-11:30	Infusing ‘data science and AI literacy’ for the general learner population: Conceptual, instructional, and systemic challenges, **Iddo Gal**
11:30-11:45	Farewell and takeaways