

ForBild International KickOff Symposium

When: June 13th, 2022

Where: Mercator Haus (on site), Lotharstraße 57, 47057 Duisburg, Germany

Education in the 2020's Digital World Reimagining and redesigning digital learning and teaching in the post-pandemic world

The Covid 19-pandemic and related social distancing measures across the globe have not only revealed the importance of digitized education but also the often-unfulfilled demands for better education systems, well-trained educators, user-centered technologies, and highly skilled learners. Throughout the pandemic, learners and teachers had to quickly adjust to a new situation in which formal learning processes were guided through digital systems. What are our lessons learned out of this? Did Covid-19 serve as an accelerator for digital learning? Or do we need to rethink digital learning based on the experiences made in educational settings during the pandemic?

Outside the digital classroom and formal educational settings, the unpredictability and uncertainty associated with the pandemic also showed the relevance of informal and incidental learning processes through digital communication: When browsing through mobile messaging systems or social networking technologies, people unintentionally get exposed to information about complex (e.g., scientific) topics that can either support or inhibit the process of informed personal decision-making. But how do learning processes look like and what are the ultimate learning outcomes of the digitally enabled public exchange of scientific information between scientists, journalists, politicians, and citizens for the consumers of this information in face of a pandemic?

This symposium should serve as a preliminary "lessons learnt from the pandemic" and focus on digital communication in formal and informal educational settings. Based on the most current evidence, internationally renowned scholars will elaborate upon the question which skills, competencies and literacies learners need in a world driven by digital media and how intelligent systems can support them. Scholars and members of the public are invited to join the symposium and the public plenary discussion in the afternoon.

Poster session for PhD/Postdoctoral students and publication of proceedings:

PhD and postdoctoral students in the field of "Education in the Digital World" are invited to present their on-going research in the form of a poster session during the

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symposium (see schedule). This is a unique opportunity to receive feedback from international scholars working in different sub-disciplines. To be part of the poster session, please submit the title and abstract (not more than 200 words) of your poster on May 30th, 2022, using this form: <https://www.uni-due.de/izfb/symposium-reg-poster>. After the conference, students will get their chance to publish their results in the form of symposium proceedings.

Registration (Deadline May 30th, 2022):

Please register for the international symposium, using the following form

<https://www.uni-due.de/izfb/symposium-reg>.

Program committee:

Jun.-Prof. Dr. Irene-Angelica Chounta, University of Duisburg-Essen

Jun.-Prof. Dr. Eva Gredel, University of Duisburg-Essen

Jun.-Prof. Dr. German Neubaum, University of Duisburg-Essen

Jun.-Prof. Dr. David Wiesche, University of Duisburg-Essen

Organizing team:

Jana Dreston, University of Duisburg-Essen

Dr. Helene Kruse, University of Duisburg-Essen

Marie Mohseni, University of Duisburg-Essen

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Contact:

For any questions, please contact german.neubaum@uni-due.de or jana.dreston@uni-due.de

Program

10: Opening: Introduction of ForBild

10:15: **Prof. Dr. Shirley Ho** (Nanyang Technological University, Singapore):
Informal Learning in a Digital World: Misinformation about Science & the Responsibilities of the Scientific Community

11:15 Coffee break

11:30: **Dr. Ioana Jivet** (Educational Technologies, Leibniz Institute for Research and Information in Education, Germany):
Supporting Student Agency with Learning Analytics

12:30 Lunch

14:00 Poster session (inviting junior scholars to present their current projects in the field of digitized education)

15:30 **Prof. Dr. Jennifer K. Olsen** (University of San Diego, USA):
Supporting Flexibility in Post-Pandemic Higher Education

16:30 Coffee break

16:45 Plenary discussion

18:00 Close

19 Dinner at the Duisburg Innenhafen

Covid-19 safety policy for on-site symposium

The organizing team takes the symposium participants' health and safety very seriously. We continuously monitor local and international guidelines and regulations related to COVID-19. Shortly before the symposium, we are going to inform all participants via email about the required hygiene measures to be taken by us and by the participants.

More on Keynote Talks:

Speaker: Shirley Ho

Title: Informal Learning in a Digital World: Misinformation about Science & the Responsibilities of the Scientific Community

Abstract: Learning often goes beyond physical and digital classroom settings. The COVID-19 pandemic has engendered an infodemic, represented by an unprecedented overabundance of online and offline information. Likewise, when facing complex scientific topics, the public may be exposed to misinformation that can either support or inhibit the process of informed personal decision-making. How do the informal learning processes look like? Are interventions such as fact-checking and enhancing digital media literacy among the public effective in increasing their ability to discern accurate information from misinformation? An underexplored way to combat false claims is through engagement of the scientific community. Scientists can provide evidence-based, scientifically defensible information to refute false claims regarding the pandemic. How can we enable long-term engagement of scientists to identify and address false claims about emerging science and technologies? This talk will cast a spotlight on the responsibilities of the scientific community in taking a more proactive role in preventing the spread of mis- and disinformation, potentially enabling a more conducive environment for informal learning of scientific topics.

Bio: Shirley Ho is the Associate Vice President for Humanities, Social Sciences & Research Communication in the President's Office at Nanyang Technological University (NTU), Singapore. She is concurrently Professor of Communication in the Wee Kim Wee School of Communication and Information (WKWSCI) at NTU. Her research area focuses on cross-cultural public opinion dynamics related to science and technology, with potential health or environmental impacts.

Speaker: Ioana Jivet

Title: Supporting Student Agency with Learning Analytics

Abstract: The pandemic forced higher education institutions to move fully online and even as face-to-face teaching becomes feasible again, the majority of students wish to continue online learning, either in a hybrid or blended format. This is a huge opportunity for learning analytics research to step up their game and concentrate on developing tools that support students to become masters of their own learning. As more students spend more time in online learning environments without the explicit guidance of teachers, the traces students leave in the digital world can be used to generate and provide actionable and supportive feedback on their performance, study behaviour and even self-regulated learning strategies. In this talk I will illustrate how student-facing learning analytics can support students learning online and touch upon the challenges of designing and implementing trustworthy and meaningful analytics.

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Bio: Ioana Jivet is a postdoctoral researcher at DIPF and Research Coordinator at studiumdigitale, Goethe University Frankfurt, where she leads research activities on Trusted Learning Analytics under the Hessen Hub, a network of higher education institutions in Hessen, Germany. Ioana's research addresses design and adoption aspects of student-facing learning analytics. Ioana obtained her PhD Cum Laude in March 2021 at the Open University of the Netherlands on learning analytics dashboards design that foster the development of self-regulated learning skills in Higher Education and MOOCs. Since 2021, Ioana serves as a member of the Society for Learning Analytics Research Executive Board.

Speaker: Jennifer Olsen

Title: Supporting Flexibility in Post-Pandemic Higher Education

Abstract: As the global pandemic continues to influence our daily lives, we begin to see that it has had a lasting impact on the educational landscape. In this talk, I will discuss how the design of educational technology has had to adapt to changes in both teaching and learning with a focus on higher education. Particularly, I will look at how the need for additional flexibility given the heightened uncertainty introduced by sudden student and teacher absence, hybrid learning, and other novel educational factors have influenced educational designs and what factors we may need to account for in the near future.

Bio: Jennifer Olsen is an Assistant Professor of Computer Science at the University of San Diego where she leads projects investigating how to provide orchestration support to instructors and the use of multimodal learning analytics in collaborative learning. She received her PhD from Carnegie Mellon University in 2017 from the Human-Computer Interaction Institute as a fellow in the Program for Interdisciplinary Educational Research and a Siebel Scholar. Dr. Olsen has additionally been a postdoctoral researcher in the Computer-Human Interaction in Learning and Instruction Lab at EPFL. Her broader research goals include the promotion of educational technology and learning analytics to support students and instructors in their engagement with complex pedagogical scenarios.

More information about ForBild

The research platform ForBild "Education in the Digital World" is a working group in the Interdisciplinary Center for Educational Research (IZfB). This interdisciplinary platform brings together scholars and research from several faculties, in which senior colleagues build working relationship together with junior professors. It creates spaces for professional exchange and promotes joint work on projects (applications).

Research in the field of "Education in the Digital World" refers to all stages of education: for example, the question of media literacy of staff in day care centers, the conception of digital textbooks or school curricula with digital media. Education in "working environments" includes digital training concepts and the use of digital technology in examinations in trade and industry. For the higher education sector, the focus is on how new qualities of learning can arise that do justice to the diversity of students; Another adult education project deals with the support of volunteers in refugee work through Internet platforms.

More information: <https://www.uni-due.de/izfb/forbild>