

Gerhard Fischer: Challenges and Opportunities of COVID-19 for Rethinking and Reinventing Learning, Education, and Collaboration in the Digital Age

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Worin bestehen die kurz- und langfristigen Herausforderungen und Chancen für soziotechnische Umgebungen, um Lernen, Bildung und Zusammenarbeit im digitalen Zeitalter neu zu erfinden? Die vorgestellten Ideen und Argumente bieten keinen Fahrplan für die Zukunft, da die Planung detaillierter Ziele für eine Welt mit grundlegenden Veränderungen unmöglich ist. Wir hoffen jedoch, dass die Ideen und Überlegungen einen Diskurs bereichern. So könnten die Bedingungen für kulturelle Transformationen geschaffen werden, die eine Krisensituation als Chance für eine andere und hoffentlich bessere Zukunft untersuchen.

Which are the short- and long-term challenges and opportunities for socio-technical environments for rethinking and reinventing learning, education, and collaboration in the digital age? The presented ideas and arguments do not provide a road map for the future because the planning of detailed objectives is impossible for a world experiencing fundamental changes. But we hope that the ideas and reflections will enrich a discourse for creating the conditions for cultural transformations that will embrace and explore a crisis situation as a chance for a different and hopefully better future.

Literatur:

Fischer, Gerhard (1998). Making Learning a Part of Life — Beyond the 'Gift-Wrapping' Approach of Technology. In: Alheit, Peter/Kammler, Eva (Eds.), *Lifelong Learning and Its Impact on Social and Regional Development*. Bremen: Donat Verlag, pp. 435–462.

Fischer, Gerhard (2000). Lifelong Learning - More Than Training. In: *Journal of Interactive Learning Research, Special Issue on Intelligent Systems/Tools In Training and Life-Long Learning*, 11 (3/4), pp. 265–294.

Fischer, Gerhard (2011). Understanding, Fostering, and Supporting Cultures of Participation. In: *ACM Interactions*, 18 (3), pp. 42–53. DOI: 10.1145/1962438.196.

Fischer, Gerhard (2018). Massive Open Online Courses (MOOCs) and Rich Landscapes of Learning: A Learning Sciences Perspective. In: Fischer, Frank/Hmelo-Silver, Cindy E./Goldman, Susan R./Reimann, Peter (Eds.), *International Handbook of the Learning Sciences*, New York: Routledge, pp. 368–379.

Fischer, Gerhard/Lundin, Johan/Lindberg, J. Ola (2020). Rethinking and Reinventing Learning, Education, and Collaboration in the Digital Age — from Creating Technologies to Transforming Cultures. In: *International Journal of Information and Learning Technology*, 37 (5), pp. 241—252. DOI: 10.1108/IJILT-04-2020-0051.

Fischer, Gerhard/Rohde, Markus/Wulf, Volker (2007). *Community-Based Learning: The Core Competency of*

Residential, Research Based Universities. In: International Journal for Computer-Supported Collaborative Learning, 2 (1), pp. 9–40. DOI: 10.1007/978-1-84800-332-3_12.

Illich, Ivan (1971). Deschooling Society, Harper and Row, New York.

Resnick, Lauren B. (1987). Learning in School and Out. In: Educational Researcher, 16 (9), pp. 13–20.

Resnick, Mitchel (2017). Lifelong Kindergarten — Cultivating Creativity through Projects, Passion, Peers, and Play. Cambridge: MIT Press.

Rittel, Horst/Webber, Melvin M. (1984). Planning Problems Are Wicked Problems. In: Cross, Nigel (Ed.), Developments in Design Methodology. New York: John Wiley & Sons, pp. 135–144.