

Webinar, Digital Transition and Single Market Observatory (DSMO) — June 14th, 2021

AI in education in relation to the Covid-19 crisis

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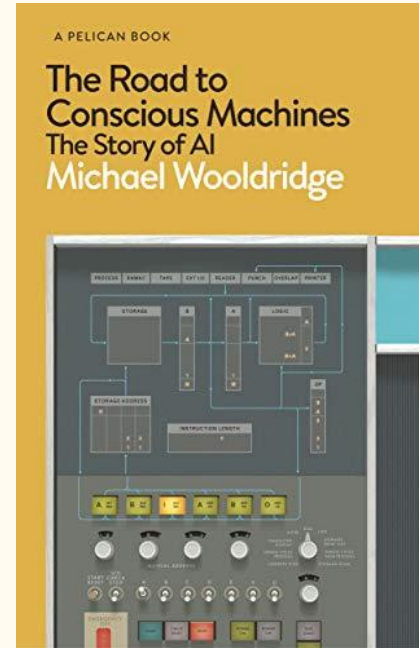
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The grand dream and the reality of AI

*“The **long-term dream of AI** is to build machines that have the full range of capabilities for intelligent actions that people have—to build machines that are self-aware, conscious and autonomous in the same way that people like you and me are. [...] **The reality of AI for the foreseeable future is very different to the grand dream.**” (Wooldridge, 2020)*

Wooldridge, M. (2020). *The Road to Conscious Machines: The Story of AI*.
UK: Pelican Random House.



*“Together with sensors and learning management systems, **Artificial Intelligence (AI)** can give teachers a real sense of how different students learn differently, where students get interested and where they get bored, where they advance and where they get stuck. **Technology can help adapt learning** to different student needs and give learners greater ownership over what they learn, how they learn, where they learn and when they learn. [...] And of course, **AI is helping assessment and exams make big leaps**, whether these are assessments through simulations, hands-on assessments in vocational settings, or machine-learning algorithms scoring essays.”*

Andreas Schleicher, Director, OECD Directorate for Education and Skills, commenting the *OECD Digital Education Outlook 2021*

<https://oecdeditoday.com/how-radically-reimagine-teaching-learning-digital-technology/>

Prof. Dr. Dagmar Monett, HWR Berlin & AGISI.org

Well, the reality of AI
in education is looking
very different...

Cheating allegations engulf Dartmouth medical school

By **Laura Krantz** Globe Staff, Updated April 15, 2021, 6:52 p.m.

 Administration, faculty! Typical case of anthropomorphism, a window to lack of accountability

The e-mail accused her — and, she later learned, more than a dozen other students — of cheating by accessing online course materials while taking a test on a different software platform. The school said that it had electronic evidence of misconduct, and that she was invited to make a brief statement defending herself at a tribunal to be held over Zoom in a week.

<https://www.bostonglobe.com/2021/04/15/metro/cheating-allegations-chill-students-dartmouth-medical-school/>

A couple of months later...

Victory! Dartmouth Ends Unfounded Cheating Investigation After Students, Rights Groups Speak Out

DEEPLINKS BLOG

BY **JASON KELLEY**

JUNE 10, 2021

<https://www.eff.org/deeplinks/2021/06/dartmouth-ends-misguided-investigation-after-students-rights-groups-speak-out>

The Dartmouth Geisel School of Medicine has ended its months-long dragnet investigation into supposed student cheating, dropping all charges against students and clearing all transcripts of any violations. This affirms what EFF, The Foundation for Individual Rights in Education (FIRE), students, and many others have been saying all along: when educators actively seek out technical evidence of students cheating, whether those are through logs, proctoring apps, or other automated or computer-generated techniques, they must also seek out technical expertise, follow due process, and offer concrete routes of appeal.

<https://www.eff.org/deeplinks/2021/06/dartmouth-ends-misguided-investigation-after-students-rights-groups-speak-out>

Online proctoring, one among many!

- **Highly intrusive surveillance machinery**; Corporations' interests-driven
- **Lack of AI literacy**; educational institutions buy everything they are told
- Psychology, Sociology, Education experts **not involved**
- Identifies “suspicious” behaviours; “detects” fraud ⇒ **Inaccurate**; no extensive research comparing to human experience
- Privacy (data use and sharing **without students or parents' consent**)
- **No opt-out**; no alternative examination mechanisms
- **Zero** transparency; **blurry or no** accountability; **no** explainability
- **Discrimination** (e.g. students with special conditions), etc.

The future of AI in education is bright, but we need to pay careful attention to how and for what AI is used.