

RESOURCES FOR FURTHER READING
TRANSFORMATIVE TECHNOLOGIES AND THEIR EFFECT ON WORK AND SOCIETY
A Webinar Series Presented by OLLI at BCC, 1 Berkshire and the Berkshire Innovation Center

Session 1 Where are we?

Elisabeth Reynolds, The research and reports Reynolds directions can be found at <https://workofthefuture.mit.edu/> MIT Report, Fall 2019: The Work of the Future - Shaping Technology and Institutions

Daron Acemoglu and Pascual Restrepo, "Artificial Intelligence, Automation, and Work"
Published in *The Economics of Artificial Intelligence: An Agenda*
Edited by Ajay Agrawal, Joshua Gans, and Avi Goldfarb, The University of Chicago Press, Chicago, 2019

Eric Brynjolfsson and Andrew McAfee: [*The Second Machine Age: Work, Progress and Prosperity in a Time of Brilliant Technologies*](#)

Klaus Schwab: [*The Fourth Industrial Revolution*](#)

World Economic Forum

<https://www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respond/>

Harvard Business School, Managing the Future of Work:

<https://www.hbs.edu/managing-the-future-of-work/about-the-project/Pages/default.aspx>

Harvard Kennedy School, The Future of Jobs:

<https://www.hks.harvard.edu/centers/mrcbg/publications/jobs>

The Economist:

<https://www.economist.com/search?q=AI+and+its+limits+-+Technology+Quarterly>

The Rise of Artificial Intelligence

<https://www.newyorker.com/books/double-take/sunday-reading-the-rise-of-artificial-intelligence>

David Autor and Elisabeth Reynolds, *The Nature of Work after the COVID Crisis: Too Few Low-Wage Jobs*, The Hamilton Project

https://www.brookings.edu/wp-content/uploads/2020/08/AutorReynolds_LO_FINAL.pdf

Session 2 What are other countries doing?

Kai Fu Lee, *AI Superpowers: China, Silicon Valley and the New World Order*
America's risky approach to Artificial Intelligence

https://www.nytimes.com/2019/10/07/opinion/ai-research-funding.html?te=1&nl=david-leonhardt&emc=edit_ty_20191008?campaign_id=39&instance_id=12917&segment_id=17683&user_id=edde5765752b6ba6a1b9a0f7d2a76514®i_id=59103422

<https://hbr.org/2019/05/ranking-countries-and-industries-by-tech-data-and-business-skills>

<https://www.weforum.org/agenda/2018/02/south-korea-and-sweden-are-the-most-innovative-countries-in-the-world/>

<https://www.nature.com/articles/d41586-020-01466-7>

<https://sweden.se/business/innovation-in-sweden/>

Session 3 What constitutes technology infrastructure?

Susan Crawford, *Fiber: The Coming Tech Revolution—and Why America Might Miss It*

Session 4 - How is technology creating smart manufacturing?

Producing Prosperity: Why America Needs a Manufacturing Renaissance

by Gary Pisano and Willy C. Shih

<https://blog.marketresearch.com/the-top-7-things-to-know-about-smart-manufacturing>

Session 5 - How is technology affecting education?

Carla Meskill, *Teaching Children Online: A Conversation-based Approach*

You Can't Spell Creative Without A.I.

https://www.nytimes.com/2020/04/08/technology/ai-creative-software-language.html?campaign_id=2&emc=edit_th_200409&instance_id=17426&nl=todaysheadlines®i_id=59103422&segment_id=24411&user_id=edde5765752b6ba6a1b9a0f7d2a76514

Session 6 - How is technology affecting healthcare?

How Artificial Intelligence is Taking on COVID - 19

<https://www.zdnet.com/article/ai-and-the-coronavirus-fight-how-artificial-intelligence-is-taking-on-covid-19/>

How AI Steered Doctors Toward a Possible Coronavirus Treatment

https://www.nytimes.com/2020/04/30/technology/coronavirus-treatment-benevolentai-baricitinib.html?campaign_id=2&emc=edit_th_200501&instance_id=18087&nl=todaysheadlines®i_id=59103422&segment_id=26356&user_id=edde5765752b6ba6a1b9a0f7d2a76514

Session 7 - What are the social impacts of technology?

Alexis Wichowski, *The Information Trade*

Video of Wichowski <https://www.youtube.com/watch?v=tdgXjT-6qJQ>

Nicholas Carr, *The Glass Cage* and *The Shallows*, Carr's blog on these issues is at <http://www.routhtype.com/>

Ethan Zuckerman, *Rewire: Digital Cosmopolitans in the Age of Connection*

Ethan Zuckerman's blog <http://www.ethanzuckerman.com/blog/>

The Social Dilemma, <https://www.netflix.com/title/81254224>

We Teach A.I. Systems Everything, Including our Biases:

https://www.nytimes.com/2019/11/11/technology/artificial-intelligence-bias.html?te=1&nl=morning-briefing&emc=edit_NN_p_20191112§ion=whatElse?campaign_id=9&instance_id=13794&segment_id=18715&user_id=edde5765752b6ba6a1b9a0f7d2a76514®i_id=59103422ion=whatElse

<https://www.partnershiponai.org/resources/>

Session 8 Where next?

James and Deborah Fallows, *Our Towns: A 100,000-Mile Journey into the Heart of America*

Fallows are continuing their research and reporting on social and economic transformation in the US at <https://www.ourtownsbook.com/>

Ray Kurzweil: The Singularity, Transcendent Man, documentaries:

https://play.google.com/store/movies/details?id=oThgoBNVrhM&gl=US&utm_source=na_Med&utm_medium=hasem&utm_campaign=MoviesPLA&pcampaignid=MKT-DR-na-us-all-Med-pla-mo-Evergreen-Dec1115-1-movieslibrary&gclid=Cj0KCQjw7ZL6BRCmARIsAH6XFDK28T-YgKd46lnLdE8IPThwDR7mtUP29stzaFKqATotCSXxmXbrmOgaApDMEALw_wcB&gclidsrc=aw.ds

[Computers Already Learn From Us. but Can They Teach Themselves:](https://www.nytimes.com/spotlight/artificial-intelligence)

<https://www.nytimes.com/spotlight/artificial-intelligence>

[Ray Kurzweil TED talk: The Future](#)

[How to Stop Super-Human Intelligence Before it Stops Us](#)

https://www.nytimes.com/2019/10/08/opinion/artificial-intelligence.html?te=1&nl=david-leonhardt&emc=edit_ty_20191009?campaign_id=39&instance_id=12951&segment_id=17713&user_id=edde5765752b6ba6a1b9a0f7d2a76514®i_id=59103422

Yuval Noah Harari, *Sapiens* and *Homo Deus*

MIT Report, Fall 2019: