

ECSE and Society

<p>Climate Change and Our Role</p>	<p>HABs: https://phys.org/news/2022-06-symbiotic-relationships-trigger-algal-blooms.html</p> <p>Carbon Sequestration: https://time.com/6205570/inflation-reduction-act-carbon-capture/</p> <p>https://www.sciencedaily.com/releases/2022/08/220805091216.htm</p> <p>Energy Efficient Technologies: https://news.mit.edu/2016/seminar-climate-change-electrical-engineers-0318</p> <p>Dealing with Rising Heat: https://www.washingtonpost.com/climate-environment/2023/06/07/air-conditioners-humid-climate-change/</p>
<p>Power Grid and Renewable Energy</p>	<p>Current challenges and possible solutions: https://www.npr.org/2023/08/11/1193393765/why-lasers-could-help-utilities-make-the-electrical-grids-greener</p> <p>Energy report card infrastructure: https://infrastructurereportcard.org/wp-content/uploads/2020/12/Energy-2021.pdf</p> <p>https://www.nyserda.ny.gov/About/Newsroom/2022-Announcements/2022-08-17-NYSERDA-Announces-up-to-30-Million-for-Future-Grid-Challenge</p>
<p>Quantum Computing</p>	<p>International competition: https://spectrum.ieee.org/alibaba-baidu-quantum-computer-race</p> <p>https://www.businessofbusiness.com/articles/whos-winning-the-quantum-computing-race-china-and-the-us-are-neck-and-neck/</p>
<p>The Great Beyond: James Webb Telescope</p>	<p>How did they do that?: https://www.space.com/james-webb-space-telescope-engineering-challenges</p>
<p>AI and Machine Learning</p>	<p>Jeopardy wasn't enough of a challenge for healthcare... https://slate.com/technology/2022/01/ibm-watson-health-failure-artificial-intelligence.html</p> <p>Ethics: https://futurism.com/institute-electrical-electronics-engineers-issues-guide-ai-ethics</p> <p>https://www.forbes.com/sites/cognitiveworld/2022/08/28/the-worst-ai-advice-youll-ever-hear/?sh=7711731a2dee</p>

Social Networks	Do you see the potential of the metaverse?: https://www.brookings.edu/techstream/a-proactive-approach-toward-addressing-the-challenges-of-the-metaverse/
Facial Recognition Software	Challenges https://www.techrepublic.com/article/facial-recognition-risks/ https://ietresearch.onlinelibrary.wiley.com/doi/pdf/10.1049/iet-cvi.2014.0084
Future of human transport:	<p>Helpful or getting in the way? https://www.npr.org/2023/08/10/1193272085/san-francisco-has-lots-of-self-driving-cars-theyre-driving-first-responders-nuts</p> <p>New EV batteries: https://www.reuters.com/technology/chinas-catl-unveils-condensed-matter-battery-power-civil-aircraft-2023-04-19/</p> <p>Up and Over: https://www.cbsnews.com/news/evtol-flying-vehicles-air-taxi-60-minutes-2022-04-17/</p> <p>Still driving? https://ieeexplore.ieee.org/document/8457076</p> <p>Underneath: https://spectrum.ieee.org/hyperloop-is-hyper-old</p> <p>Redesign cities, Just walk: https://www.vox.com/energy-and-environment/2019/4/8/18273893/barcelona-spain-urban-planning-cars</p> <p>Whoa really? https://www.designboom.com/architecture/neom-line-saudi-arabia-vertical-city-interview-tarek-qaddumi-08-11-2022/</p>
Other?	What news do you think is ECSE worthy?