

## **Communications Highlights: July-Sept. 2020**

- Fermilab YouTube surpasses 450,000 subscribers:  
<https://www.youtube.com/channel/UCD5B6VoXv41fJ-IW8Wrhz9A>

### DUNE marches on:

- Testing tech for DUNE with ICEBERG: <https://news.fnal.gov/2020/09/iceberg-tests-future-neutrino-detector-systems-with-beautiful-results/>
- JUNO, Hyper-K, and DUNE are the focus of this Scientific American article in which Joe Lykken is quoted <https://www.scientificamerican.com/article/powerful-new-observatory-will-taste-neutrinos-flavors/>
- LBNF conducts a first underground test blast in South Dakota: [Crews create a blast to take the Deep Underground Neutrino Experiment to the next stage](#)
- Fermilab hosted a very successful Neutrino 2020 conference online:  
<https://news.fnal.gov/2020/07/more-than-3000-neutrino-scientists-gather-online-for-neutrino-2020/>

### More notables:

- Award: [Three Fermilab scientists receive DOE Early Career Research Awards](#) (Robert Ainsworth, Laura Fields, Jonathan Jarvis)
  - Jarvis: <https://news.fnal.gov/2020/08/jonathan-jarvis-wins-prestigious-doe-award-for-development-of-next-generation-particle-beam-cooling-and-control/>
  - Fields: <https://news.fnal.gov/2020/08/fermilab-scientist-laura-fields-receives-2-5-million-doe-award-to-study-beams-of-shape-shifting-ghost-particles/>
  - Ainsworth: <https://news.fnal.gov/2020/07/robert-ainsworth-awarded-2-5-million-to-improve-particle-beams-for-high-intensity-experiments/>
- Javier Tiffenberg wins New Horizons prize: <https://news.fnal.gov/2020/09/fermilab-scientist-javier-tiffenberg-wins-new-horizons-in-physics-prize/>
- Milestone: [CMS collaboration publishes 1,000th paper](#)
- Quantum Internet: <https://news.fnal.gov/2020/07/u-s-department-of-energy-unveils-blueprint-for-the-quantum-internet-at-launch-to-the-future-quantum-internet-event/>
- Two construction projects reach major milestones at Fermilab:  
<https://news.fnal.gov/2020/07/two-construction-projects-reach-major-milestones-at-fermilab/>

### SQMS (Quantum Center):

- [Fermilab to lead \\$115 million National Quantum Information Science Research Center to build revolutionary quantum computer with Rigetti Computing, Northwestern University, Ames Laboratory, NASA, INFN and additional partners](#)
- YouTube video featuring Anna: <https://youtu.be/kjH04-iKy4I>
- SQMS website: <https://sqms.fnal.gov/>
- SQMS fact sheet: <https://news.fnal.gov/wp-content/uploads/sqms.pdf>

- DOE press release with Fermilab context (on our site): <https://news.fnal.gov/2020/08/white-house-office-of-technology-policy-national-science-foundation-and-department-of-energy-announce-over-1-billion-in-awards-for-artificial-intelligence-and-quantum-information-science-research-in/>
- DOE press release (on the DOE site): <https://www.energy.gov/articles/white-house-office-technology-policy-national-science-foundation-and-department-energy>
- DOE QIS page: <https://science.osti.gov/Initiatives/QIS/QIS-Centers>
- White House OSTP statement: <https://www.whitehouse.gov/articles/trump-administration-investing-1-billion-research-institutes-advance-industries-future/>
- Forbes: [Will These Consortia Lead The United States To Global Quantum Supremacy?](#)
- Crain's Chicago Business: [Feds pick Argonne, Fermi to lead quantum computing research centers](#)
- WSJ: <https://www.wsj.com/articles/white-house-announces-1-billion-plan-to-create-ai-quantum-institutes-11598432400>
- Lauren Underwood issued a press release celebrating Fermilab's win of one of the five new national quantum centers: <https://underwood.house.gov/media/press-releases/underwood-celebrates-fermilab-selection-lead-department-energys-quantum>
- WTTW features Fermilab and Argonne in an article about quantum technology <https://news.wttw.com/2020/09/01/argonne-fermilab-forefront-transformational-quantum-research>
- Italian media coverage example: [https://www.corriere.it/cronache/20\\_agosto\\_27/italiana-che-progetta-super-computer-quantico-il-piu-potente-sempre-8521c8da-e89a-11ea-b091-8b361f593974.shtml](https://www.corriere.it/cronache/20_agosto_27/italiana-che-progetta-super-computer-quantico-il-piu-potente-sempre-8521c8da-e89a-11ea-b091-8b361f593974.shtml)