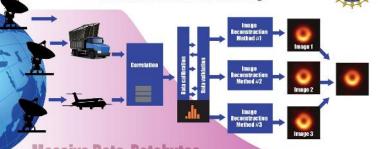


## **Event Horizon Telescope**



Event Horizon Telescope Imaging of Black Hole A Massive Data Undertaking



Massive Data: Petabytes

Wultiple telescopes continued amound the globe transferred over the internet and must be trucked or applianced out to the fastion amical's outco.

The correlator combines large volumes of raw data from all telescopes, sifting out signals from noise.

Correlated data gets calibrated and validated through an iterative process in order to enable image reconstruction.

Calibrated data moves ahead to Image reconstruction. Different methods are used to confirm the result.

Images are compared to theoretical predictions, simulations, models, etc.

**Down to Kilobytes** 

Illustration credit. Zina Deretsky rcial thanks to the University of Arizona and MIT/Haystack Observatory.

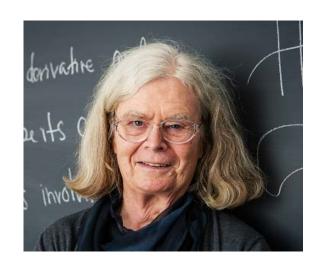




### **NSF Supports Prize-Winning Researchers**

Abel Prize

**Turing Award** 



Karen Uhlenbeck
University of Texas at Austin
Institute for Advanced Study



Yann LeCun
New York University
Facebook



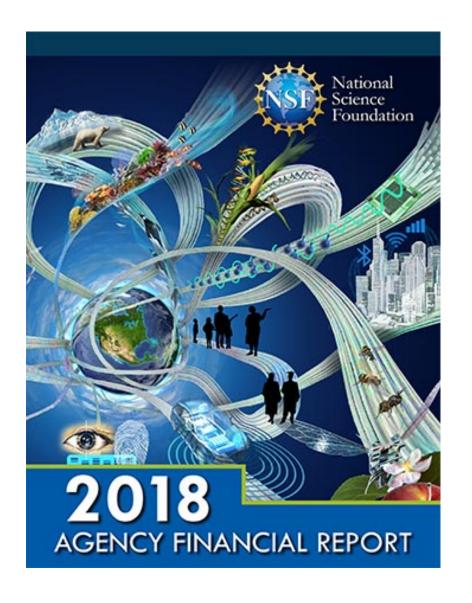
Geoffrey Hinton
University of Toronto
Google



### Congratulations to BFA

Certificate of Excellence in Accountability Reporting







### Meetings at the White House & Congress



National Council for the American Worker



First Lady's Interagency Working Group for Youth Programs



**Skilled Technical Workforce** 



**House of Representative Hearings** 



**Select Committee on Al** 



**NSTC** – Research Environment

### Visits to University Stakeholders



**University of Puerto Rico** 



**Princeton University** 



**University at Buffalo** 



**Arecibo, University of Central Florida** 



**Johns Hopkins University** 



# Talking Policy & Partnerships



**Coast Guard** 



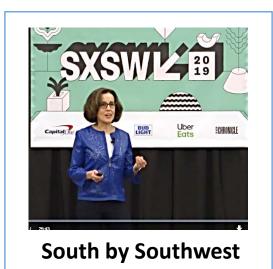
**Business-Higher Education Forum** 

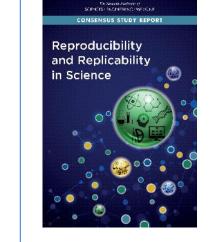


**AAAS** 



**Department of Defense** 





National Academies



#### International Officials Meet with NSF















