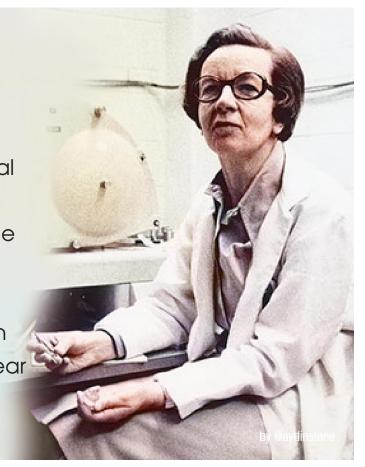


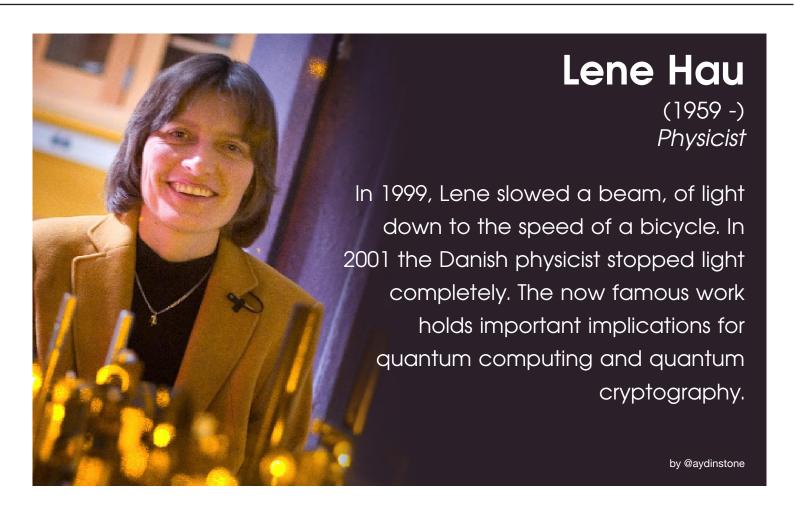
Ursula Franklin

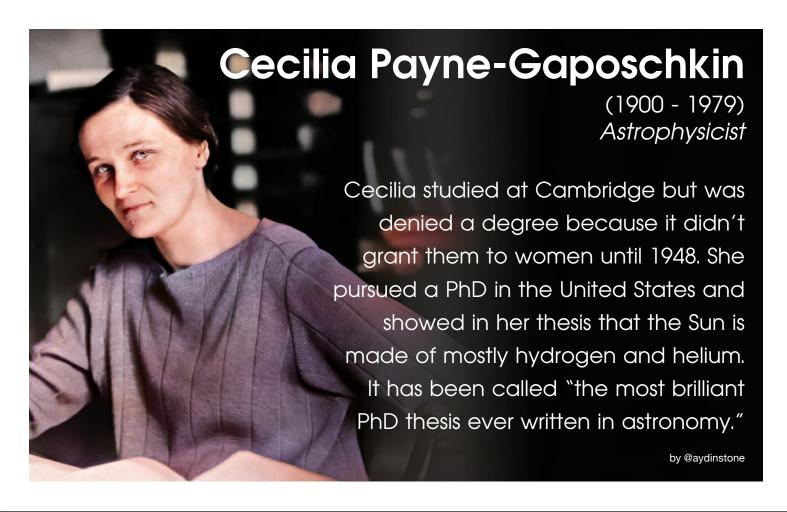
(1921 - 2016) Physicist and activist

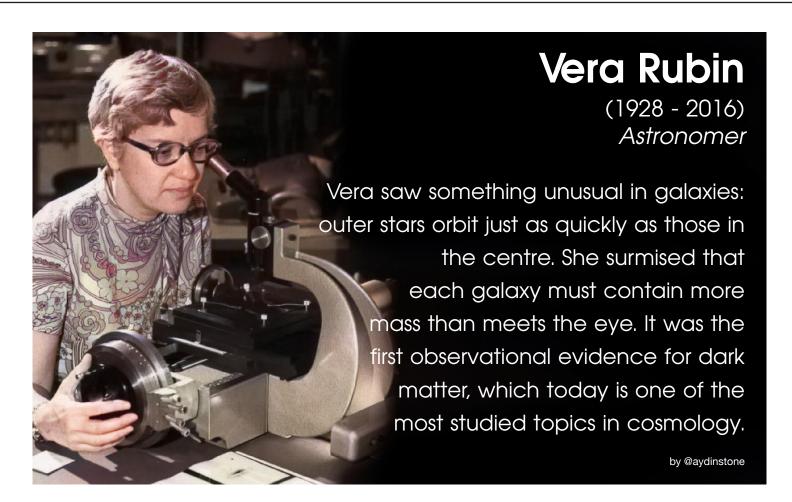
After earning a PhD in experimental physics in Berlin, Ursula moved to Canada to become the first female professor at the University of Toronto's Faculty of Engineering. A tireless pacifist, feminist and human rights advocate, her work on nuclear blast fallout led to the end of atmospheric weapons testing.



Hypatia (c351) Greek astronomer and mathematician Hypatia was one of the first women to study mathematics and astronomy. She rose to become the head of the Platonist school in Alexandria, but her pioneering life ended when she was murdered by religious zealots. Some consider her death to mark the end of classical scholarship which set the human race back 1000 years.





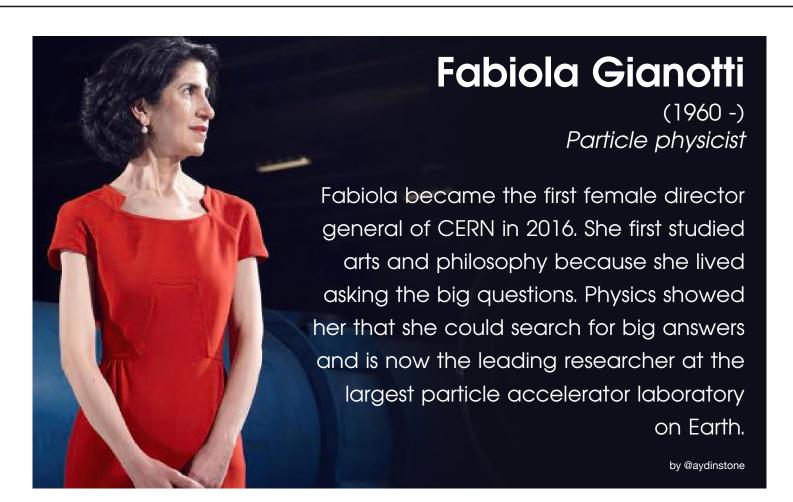


Emmy Noether

(1882 - 1935) Mathematician

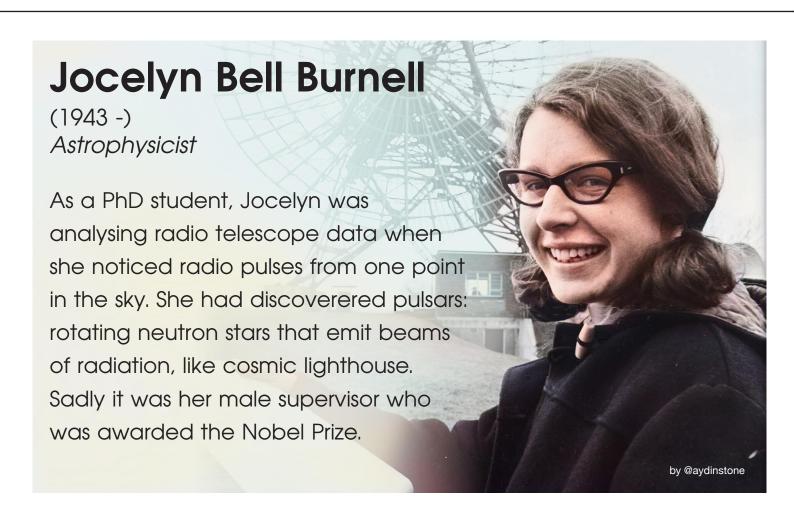
Amalie "Emmy" was a pioneer of abstract algebra. She was also a trailblazer who refused to accept that women should not join the pursuit of knowledge. When Germany's Nazi government hounded her out of academia, she taught in secret. Today, Emmy's theorem's underpin much of modern physics.

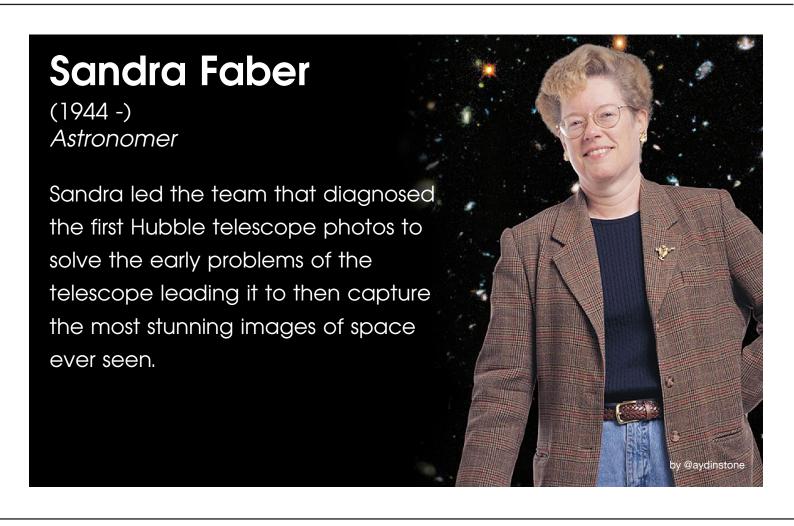


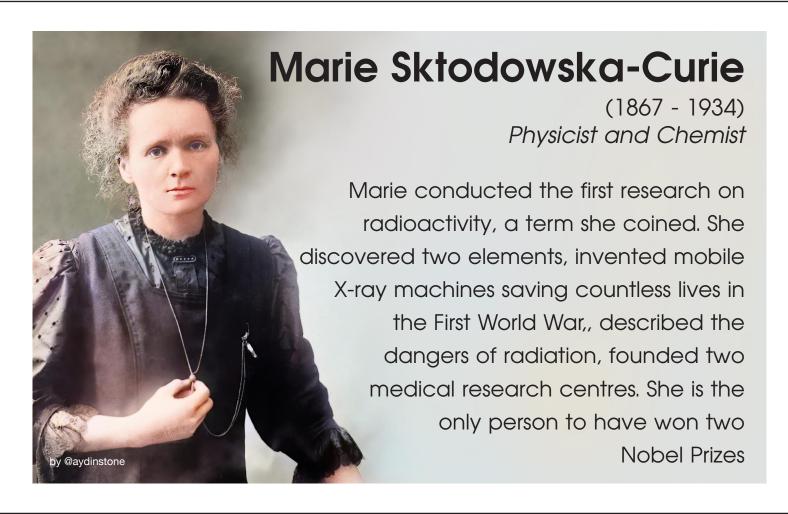




France to explain why sand on small glass plates settled into patterns when the glass was vibrated. The only entrant was Sophie. It took her six years but eventually she won with a pioneering paper on elasticity. Despite her work, she was never accepted by the male establishment.





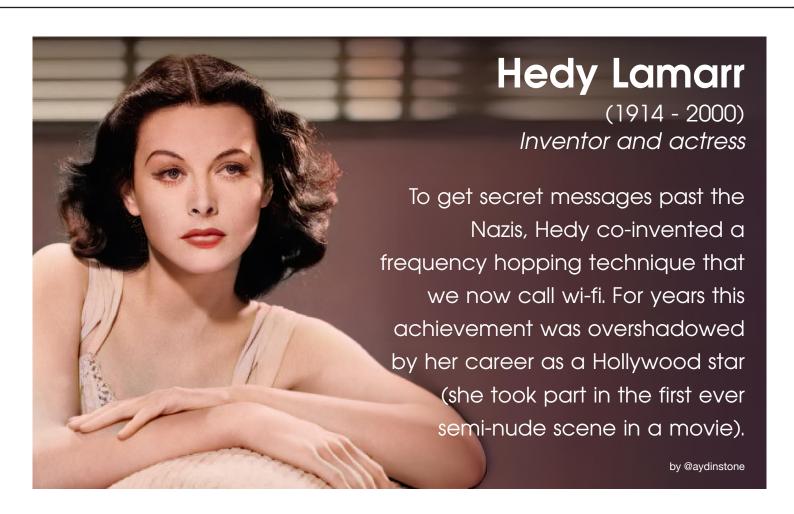


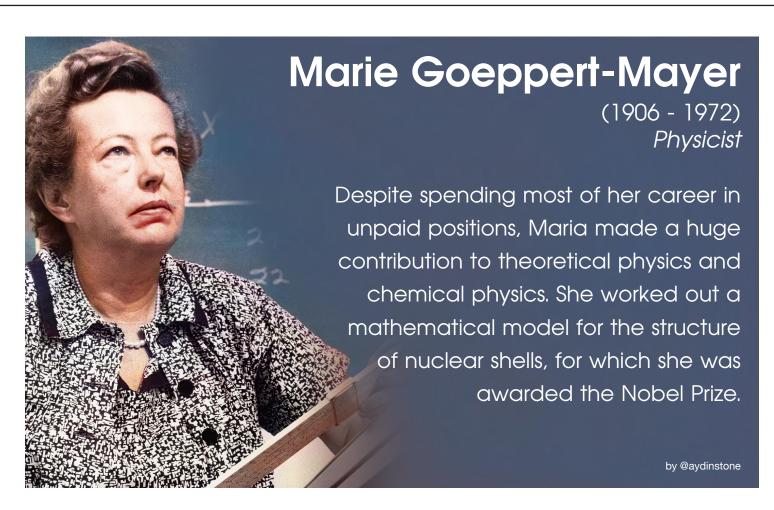
Rosalind Franklin

(1920 - 1958) Biophysicist

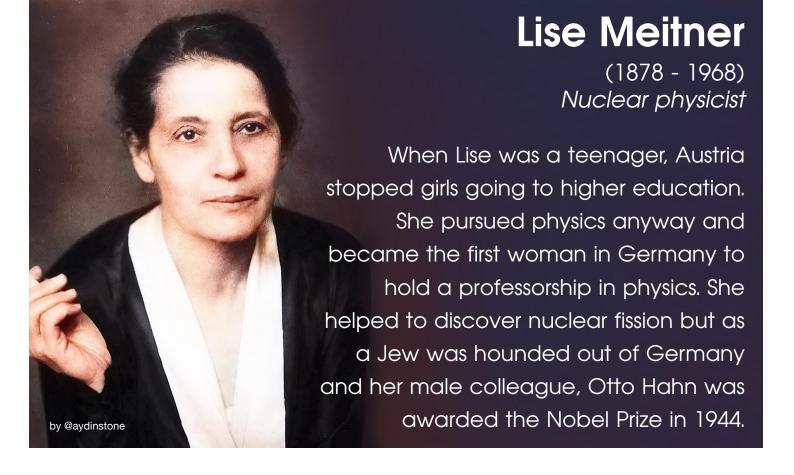
English chemist and X-ray crystallographer, Rosalind used X-ray diffraction to reveal the inner structures of complex minerals and living tissues. It was her photograph that led directly to the discovery of the double-helix structure of DNA. Sadly she died aged 37 and did not receive a share of the Nobel Prize.













Grace Hopper

(1906 - 1992) Computer Scientist

US navy and rear admiral and computer science pioneer, Grace programmed computers during the end of the Second World War. She coined the term 'debugging' after removing a moth from the circuitry of the Harvard Mark II computer in 1947.

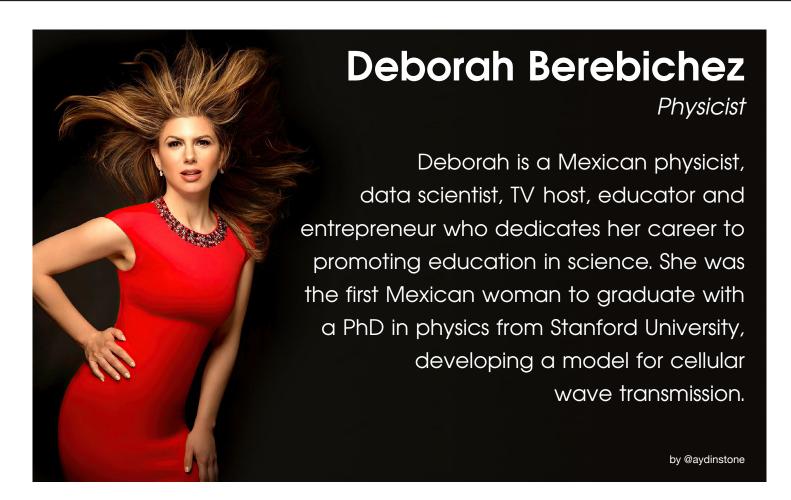
by @aydinstone

Melissa Franklin

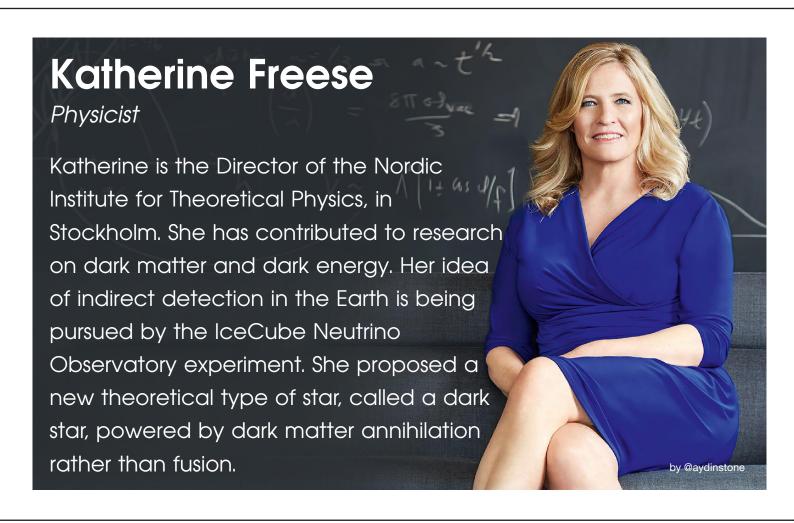
(1956 -) Physicist

Melissa is an experimental particle physicist and the Mallinckrodt Professor of Physics, and the former physics department chair, at Harvard University. While working at the Fermi National Accelerator Laboratory in Chicago, her team found some first evidences for the existence of the top quark.







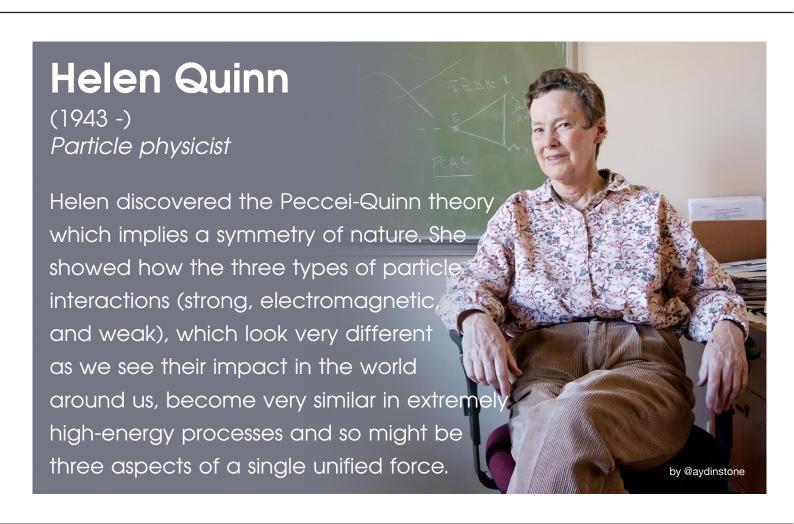


Janet Conrad

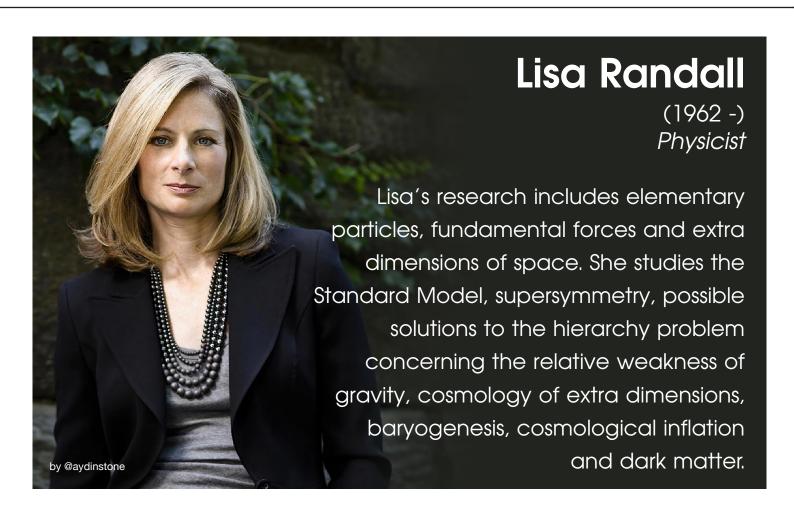
(1963 -) Physicist

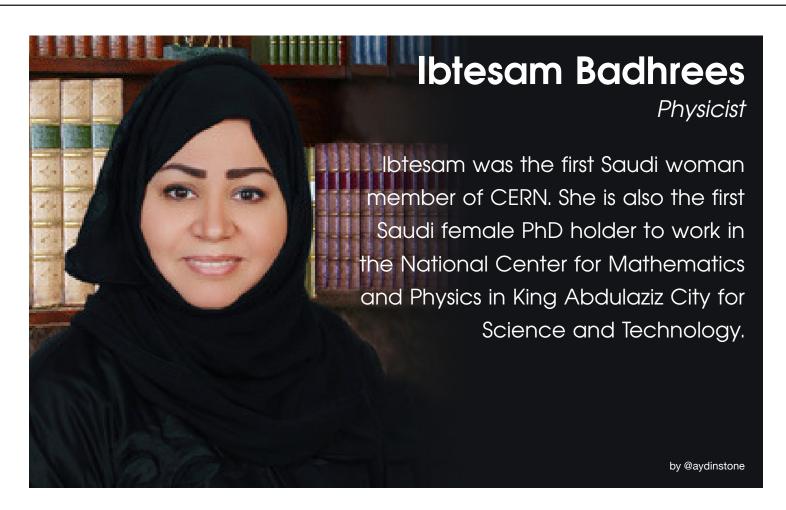
Janet is an American experimental physicist, researcher, and professor at MIT studying elementary particle physics. Her work focuses on neutrino properties and the techniques for studying them.

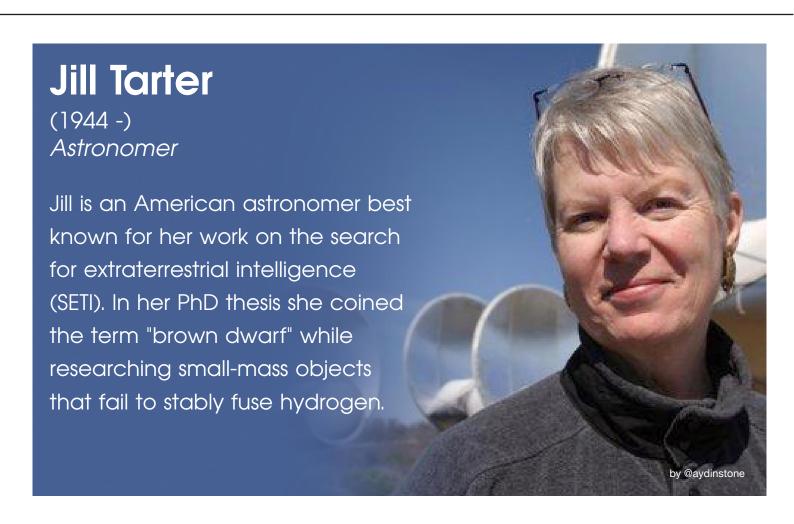












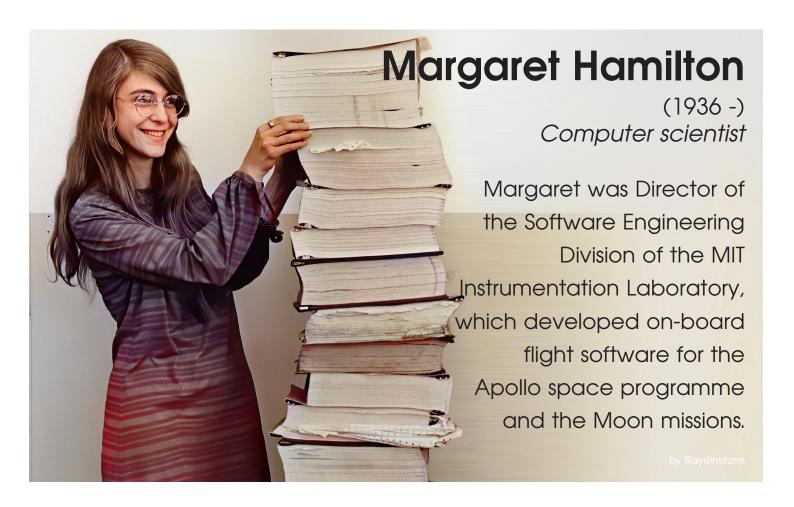


Ada Lovelace

(1815 - 1852) Mathematician

Ada was an English mathematician and writer, daughter of the poet Lord Byron. She worked on Charles Babbage's proposed mechanical general-purpose computer, the Analytical Engine. She published the first algorithm intended to be carried out by such a machine and is regarded as the first computer programmer.





Veronika Hubeny

Physicist

Veronika specialises in string theory and quantum gravity. Since 2015, she has been a professor in the Department of Physics of University of California, previously Professor of Physics at Durham University, In 2017, she was the only woman member of a panel at the World Science Festival when the male moderator repeatedly spoke over her, even when she was attempting to answer his questions.







