

# QSIT LECTURE

Quantum Science and Technology  
National Centre of Competence in Research

Special lecture for master and PhD students

Tuesday October 23, 2012, 10:45 h - 11:30 h, HPH G 3

## Mildred A. Dresselhaus

MIT, Cambridge, USA



For more than half a century, Mildred Dresselhaus has studied the fundamental properties of carbon — carbon as graphite, the dark, flaky mineral with which our pencils are pointed, and carbon as liquid, the element with the highest melting point in nature; carbon that is insulator one moment, superconductor the next. Her research helped usher in the age of nanotechnology, the wildly popular effort to downsize electronic circuits, medical devices and a host of other products to molecular dimensions.

Dr. Dresselhaus recently won the 2012 Kavli Prize in Nanoscience. The new award joins a very long list of laurels, among them the National Medal of Science, the Enrico Fermi Award, the presidencies of the American Physical Society and the American Association for the Advancement of Science and many others.

Ref.: [http://www.nytimes.com/2012/07/03/science/carbon-catalyst-for-half-a-century.html?pagewanted=1&\\_r=2&smid=pl-share&](http://www.nytimes.com/2012/07/03/science/carbon-catalyst-for-half-a-century.html?pagewanted=1&_r=2&smid=pl-share&)

Host: Klaus Ensslin

[www.nccr-qsit.ethz.ch](http://www.nccr-qsit.ethz.ch)



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