



EDS mourns the passing of society's beloved Celebrated Member, "Carbon Queen," Professor Mildred Dresselhaus

Professor Mildred Dresselhaus, an Institute Professor and Professor Emerita of physics and electrical engineering at the Massachusetts Institute of Technology (MIT), passed-on on February 20, 2017, at the age of 86.

Professor Dresselhaus was an exceptionally creative scientist and engineer who pioneered the research work on nanomaterials and was the first to exploit the thermoelectric effect at the nanoscale to efficiently harvest energy from the temperature differences in materials that conduct electricity. She was one of the first scientists with a vision to make carbon nanotubes (CNT). Her pioneering work on CNT earned her the nick name, *Carbon Queen*.

Professor Dresselhaus was heavily involved in activities that promote the increased participation of women in science and engineering. She received 36 honorary doctorates worldwide, and the National Medal of Science, the IEEE Medal of Honor, the Nicholson Medal for Humanitarian Service, the Compton Award, the Fermi Prize, the Kavli Prize, and the U.S. Presidential Medal of Freedom. And, she was honored as the 2016 *IEEE Electron Devices Society (EDS) Celebrated Member*.

The EDS is deeply saddened by the death of Professor Dresselhaus and will miss the Society's beloved Celebrated Member.

Samar Saha
EDS President