

## **Biography of Professor Jonathan Z. Sun**

Jonathan Sun is a Research Staff Member at the IBM T. J. Watson Research Center in Yorktown Heights, New York. He's been with IBM Research for over 24 years, and has focused his work over the last decade and more on the device and materials physics of spin-torque and related phenomena and magneto-dynamics. Jonathan got his BS in Physics from Fudan University in Shanghai, China, and his M.S. and Ph.D. degree in Applied Physics from Stanford University. After a three-year stint at Superconductor Technologies, a start-up in Santa Barbara, CA, he came to IBM Yorktown, first studying device physics related to magnetic field sensing with Josephson junctions and SQUIDs, then on spin-dependent transport device physics, materials, and dynamics. Jonathan holds some of the very early patents and publications on spin-torque switched junction device concepts. He is a Fellow of the American Physical Society, and a senior member of the IEEE Magnetics Chapter.