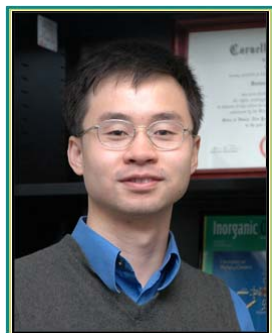


Speaker Profile



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Song Jin,
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Dr. Song Jin is an assistant professor of chemistry and a faculty member of the materials science program at the University of Wisconsin-Madison since 2004. He received his Ph.D. in Chemistry in 2002 from Cornell University under the direction of Prof. Francis J. DiSalvo and carried out his postdoctoral research under the direction of Prof. Charles M. Lieber at Harvard University.

With his combination of experience in both traditional materials chemistry and nanoscience and nanotechnology, Dr. Jin is interested in the chemistry and physics of nanoscale materials. Dr. Jin studies a variety of nanomaterials including transition metal silicide nanowires and metal oxide and chalcogenide nanomaterials, their novel physical properties and applications in solar and thermoelectric energy conversion, energy storage, nanoelectronics, nanospintronics, biotechnology, and nanomedicine. He is interested in the general formation mechanism of one-dimensional nanoscale materials driven by screw dislocations in the context of crystal growth theory and bioinspired assembly of nanoscale functional materials.

Since 2004, Dr. Jin has received a NSF CAREER Award, a DuPont Young Professor Grant, and a 3M Nontenured Faculty Award. He was recognized with a Research Corporation Cottrell Scholar Award and as one of world's top 35 innovators under the age of 35 (TR35 Award) by the MIT Technology Review Magazine for his innovation in nanoscience and nanotechnology in 2006. Most recently he received the ACS ExxonMobil Solid State Chemistry Fellowship in 2008 and Alfred P. Sloan Research Fellowship in 2009. Dr. Jin has authored or co-authored 3 patents and 40+ publications.

