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Jim Nurmi is a senior research scientist and graduate faculty in the School of Medicine at the Oregon Health & Science University. Dr. Nurmi received his B.A. from Gustavus Adolphus College in St. Peter, MN. After which, he worked at Argonne National lab on the physical and chemical immobilization of low-level mixed wastes. From there, he travelled to Oregon, where he completed his Ph.D. in Environmental Science & Engineering. Dr. Nurmi's doctoral dissertation was focused on the electrochemical properties of natural organic matter and of zero valent iron. Dr. Nurmi's research interests are broad covering topics such as remediation of environmental contaminants, fundamental processes of material corrosion, and recently the use of electrochemical techniques for the detection and characterization of engineered nanoparticles. Dr. Nurmi has taught graduate level water chemistry, an undergraduate environmental chemistry course and teaches a water chemistry summer camp for middle school aged kids. Dr. Nurmi has advised 11 successful summer interns over the last 7 years. His most recent summer intern won his division at the International Intel Science Fair in 2010 on his development of a deployable electrochemical nitrate sensor.