

AU math club sponsors lecture

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The Alfred University Math Club will sponsor the fourth annual Society for Industrial and Applied Mathematics Colloquium Lecture at 12:15 p.m. Wednesday, Feb. 25, in room 114, Seidlin Hall. Dr. David Ross, a professor at the Rochester Institute of Technology, will speak on "Dynamical Systems Models of a MEMS Energy Harvester," explaining the work that RIT and the University of Rochester are doing in building a Micro-Energy Harvester (MEH). The micro-machine, built on a computer chip, gleans energy in the form of random mechanical vibrations and converts it to electrical energy, stored in a capacitor, for use in powering micro-devices. "The MEH is a third millennium version of the self-winding watch," according to Ross. In his talk, he will describe the mathematical models of the devices that take the form of dynamical systems. The models have been used to design the first generation of MEH devices. He will discuss numerical and analytical results and some open problems.