

Wayne State University  
**Institute for Scientific Computing**  
Presents our Seminar Series

# “Building a system software infrastructure for sensor network applications”

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## **Abstract**

Sensor networks are finding applications in several areas. In this talk, I will present a system software infrastructure that facilitates the tasks of building, deploying and managing applications for sensor networks. The system software infrastructure is based on the design of a virtual machine that can be scaled up or down to meet the resource constraints of sensing devices. Further, the virtual machine can be modified dynamically in order to adapt to changes in application, system software and the underlying infrastructure. I will also discuss the technical challenges in building such a system software infrastructure and how we address them.