

Date: Mon, 29 Jan 2007 16:04:59 -0900
From: "Matt Heavner" <heavner@uas.alaska.edu>
Sender: matt.heavner@gmail.com
To: "Karen.Moe@gsfc.nasa.gov" <Karen.Moe@gsfc.nasa.gov>
Subject: Re: Sensor Web short position papers due Jan 29

Hello Karen,

The AIST sensor web definition is fairly general, and therefore fairly comprehensive--I had a hard time coming up with any major issue I found missing with the description, especially before getting to the workshop. At any rate, I've at least identified the biggest concept I see missing from the AIST sensor web description. The short idea is described below. I look forward to seeing everyone in a few weeks!

Thanks,
Matt

Modularity and Open Standards in a Sensor Web Implementation

The AIST description of a sensor web does not explicitly address the importance of modularity at every layer of the sensor web. The idea of flexibility in design at several layers in order to allow adaptability of sensor web is described, such as topic area 3 which includes "flexible hardware interfaces" to adapt "to rapidly-changing data ingest protocols" and "ever evolving algorithms." However, as we are implementing sensor web technologies, the importance of modularity at every aspect of the sensor web (power, communication, control, sensor, data storage, and analysis) is becoming ever more evident. I look forward to discussion and exploration of this issue at the upcoming Sensor Web PI meeting.