

## System S Stream Processing

Hi, my name is Jim Giles. I'm with the Event Stream Computing Group in IBM Research at Hawthorne NY. We are here at SuperComputing 2007 showing off the stream processing computing platform called System s. System s is a software platform with an innovative new computing model. Basically the idea is to take streams of data, whether they be video, voice, sensor data, and feed them through this system, through a low latency system, where we host processing elements, these are software fragments, that do transformations on this data. Some of the innovative features of this system are the ability to map this data onto different hardware, whether be Blue Gene or x86 or cell processors and to be able to keep the flow balanced as the data is streaming through the system. We also have an innovative programming model where you can COSE the individual building blocks as well as putting the building blocks together into these overall applications.

So we are very excited to be here.