Welcome to Semantic eScience Fall 2011

Scribe: Weijing Chen
Next week's Scribe: Amruta Akut

== Attendance==
Deborah McGuinness (dlm@cs.rpi.edu)
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Registered students:
* Sumitra Madhav (madhas@rpi.edu)
* William Gill (gillw2@rpi.edu)
* Daniel Rotondo (rotond@rpi.edu)
* Jay Sanghvi (sanghj@rpi.edu)
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* Apurva Tiwari (tiwara2@rpi.edu)
* Han Wang (wangh17@rpi.edu)
* Michael Barron (barrom2@rpi.edu)
* Katie Dunn (dunnk2@rpi.edu)
* Linyun Fu (ful2@rpi.edu)
* Amuruta Akut (akuta@rpi.edu)
* Daniel Rotondo (rotond@rpi.edu)
* Apurva Tiwari (tiwara@rpi.edu)
* David Molik (molikd@rpi.edu)

Other attendees - please type in your name and email
* Patrick West (westp@rpi.edu)

== Week 1 Introduction Lecture==

Introduction to the instructors and the course
Professor asked all students to introduce themselves

===Class Notes===

Professor explained the following contents:

* Contents and outline of the course
* Background & Data Audience
* Explained relevant conceptions and technologies about Semantic eScience
* Two examples of applying Semantic eScience: water quality portal & Virtual Observatories
* The technical use cases and semantic web benefits
* As non-specialists, users how to access to the data they need
* Semantic Web Basics:
* Terminologies about Semantic: languages, tools, reasoners, etc
* Diagram of Semantic Web Layers & Applications Areas for Semantics
* 2007-2008 hype cycle for emerging Semantic Web Technology V6.0
* Semantic Web Roadmap
* Semantic Applications and Ontonologies
* Semantic project options
* Logistics Summary of Assignments and Contents

Next week( Sep 12th, 2011 ): We will begin with week1 PPT46 - Technical Benefits

== Class Discussions==
Brain Storming
Question 1: What do you think we need to address to start to realize the vision on the previous viewgraph?
*Data Source Allignment
*Common Data Format
*Updated Data Formats
*Consistant Data
*Explanation of Data Source
*Data Organization
*Correct Data for Change
*Risk Assessment
*Ability to access data
*Common platform