Ontologies and Semantic Web Technologies are key enablers for Model Based Engineering. This boot camp has been organized to provide the attendees with an introduction to the concept of Ontologies in this context.

**Agenda for the Bootcamp:**

1. Ontology background
   (1980s: AI, 2000s: Biology, 2000s: Semantic Web)
2. OWL, Common Logic
3. What ontologies are for?
4. Top-Level and Domain Ontologies
5. The Industry Ontologies Foundry
6. Defining ‘System’

**Boot camp Instructor is**

Professor Barry Smith, *University of Buffalo.*

Smith is the creator of Basic Formal Ontology (BFO), which is the most commonly adopted upper-level ontology development framework, now used in over 300 civilian and government ontology initiatives throughout the world.

Most recently he has contributed to the AFRL Digital Thread/Digital Twin initiative, whose goal is to develop an ontology-driven analytical framework to allow use and re-use of authoritative data from multiple heterogeneous sources to inform decision-makers throughout a system’s lifecycle.

**Attendance Criteria:**

Participation is limited to those from the government, Federally Funded Research and Development Centers (FFRDCs), SERC Collaborator Universities, and National Laboratories. Participation will be capped at 35.

Workshop organizers will confirm admission to the workshop by October 15th, so **REGISTER NOW** at:

http://www.sercuar.org/events/serc-bootcamp-intro-to-ontology-for-systems-engineers/

**Dr. Dinesh Verma, Executive Director, SERC (Stevens Institute of Technology)**

**Dr. Barry Boehm, Chief Scientist, SERC (University of Southern California)**

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