**Dr. Ravi Sharma, Senior Enterprise Architect, Ontologist,**

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**Technical Leadership Interest Areas:**

**Ontology, Scientific Databases and Large Datasets Search and Refinements using semantic technologies / Ontologies**, **Enterprise Transformations, Agility, SOA, BPM, CEP, Knowledge Management,** Financial Analytics, Corporate Economic Capital planning, Credit market & sovereign risk modeling, R&D - space, physics, sensors, imaging and alternative / hydrogen energy fuel cells standards.

**EDUCATION** Sigma Pi Sigma, Sigma Xi

* **Postdoctoral Research**, **Yale** University, Theoretical Nuclear & Particle Physics 1967
* **Ph. D.**, University of **Florida**, Theoretical Nuclear & Particle Physics 1966

**Academic / Professional Honors & Awards**

* **Apollo Achievement Award** - **NASA**, USA: Member Experiments selection Team. Apollo 8 -17 missions. **Contributions To Manned Space Flight Award** **NASA** / Bell Labs - Skylab, Space Station & Shuttle Planning 1968-72
* **Distinguished Service Awards**: Indian Space Research Organization (ISRO) ARYABHATA - India's first satellite & SITE – Satellite Rural TV Exp.
* **GM Professional Fellow** ,**Standards Membership**: SAE International – Fuel Cell Standards,

ONTOLOG, NIST ONTOLOGY SUMMIT, OMG: Ontology Definition Meta-model, Architecture Ecosystem SIG, Diversity Org. Board – USIACC (US Indian American Chamber), ASEI –Eng.

**Professional Experience Summary:**

*Position Company / Organization Years*

* **IV&V Consultant, CNI Inc., February 2010 - present, for Directorate of Business Policy and Operations, Office of Science, US Department of Energy. Assist OSTI Efforts in Scientific Data Searches and Semantic / Ontology aspects**
* Enterprise Architect –Contractor, March - September 2009 (EDS/TRI) for DOD JMLFDC Joint Medical Logistics Functional Development Center
* Manager, PricewaterhouseCoopers LLP, Washington Federal Practice October 2008 – March 2009 Air Force Contract NextGen Net-Centric Task Force - Research & Evaluation Lead and Ontologist: Situational Awareness, FAA Architecture, Community of Interest Vocabularies / Terms
* Senior Enterprise Architect, Technology Excellence Center, Vangent, Inc., Sept 2007- August 2008
* Enterprise Architect Consultant for the State of Delaware Department of Technology and Information 2006-2007
* Enterprise Architect, Corporate IS&S General Motors & Sr. Statistician GMAC Executive Office & GM Professional Fellow 2000-2005
* Hughes STX / Raytheon - NASA Goddard Space Center, Principal Sys Engineer, 1996 – 1998
* CTO & Tech Director CENCOR Corporation, DC Metro Area, Arlington, VA, 1999-2000
* Computer Companies Bangalore (R&D, Computers): Group Advisor / Director (CTO) BPL-India 1980-81, Sunray, Disc Tech Ltd, Bangalore, S R G, CEO 1982-87, 1988-1995.
* Indian Space Research Organization, Dept. of Space, Govt. of India, Bangalore, Scientific Secretary 1973-78.
* Univ. of Michigan / (ERIM) Environment Research Inst. of Michigan, IR Optics / Satellites, Research Physicist 1972
* NASA HQ / Bell Telephone Laboratories (AT&T), Member of Tech Staff - Apollo 1968-72
* Temple University, Physics Dept., Assistant Professor 1967-68
* Yale University, Physics Dept., Postdoctoral Research Physicist 1966-67

**Work / Research Interests: Enterprise Architecture, Ontologies / Standards, Business Process Models / Strategy, R&D & Statistical / Multivariate Analyses, Business Transformation Consulting, Participate in OSTI DOE Office of Science scientific data search refinements.**