IARPA Metaphor Program
Orbis Technologies Overview and
Teaming Opportunities

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Company Overview

- Corporate office in Annapolis, MD
  - Satellite offices in Carlsbad (CA), Orlando (FL), Jacksonville (FL), and Warner Robins (GA)
- Unique technology service provider with 'end-to-end' tech services
  - Tech portfolio management, planning, development, protection, etc.
- Proven history of delivering semantic (Web 3.0) technologies to clients with 'near-internet data challenges'
  - Relationships identification, collaboration, data correlation, database integration, information fusion, cloud computing (infrastructure & analytics), etc.
- Practical Natural Language Processing Solutions
  - Named Entity Recognition, Relationship identification, Multi-language solutions
  - Harness NLP via User Interfaces that empower users in real-world tasks
- Orbis discriminators go beyond the applications…
  - Semantic technology experts who understand how to build semantic platforms combined with a detailed understanding of the vendor market
- Orbis discriminators translate into real $ savings
  - Architecture, trade studies, COTS product evaluation, etc.
  - Specialty SOA services and generic fusion analytics
  - "Experience based" price discounts on high end COTS

Selected Client Engagements

- Semantic Cloud Computing
  - U.S. Army: DCGS, SIPR Cloud, INSCOM
  - Cloud-Semantic reasoning and Fusion
  - Massive-scale text mining, text analytics and relationship discovery
- Semantic Enterprise Data Integration
  - Fortune 50 clients
  - RDF/OWL based federation and integration of silo systems
- Entity Resolution
  - Intelligence Community client
  - Reasoning to determine if different descriptions refer to the same entities, at massive scale
- Museum Exhibit Navigation
  - Historic Annapolis Foundation
  - Public-facing app for navigation/exploration of museum collection
  - Faceted search/discovery powered by semantic/RDF technology

- Technologists
  - PhD Scientists in NLP, CS, Physics, Philosophy
  - Enterprise Architects, Ontologists, Automated Reasoning mavens

- Domain Experts
  - Retired and Reserve U.S. Armed forces personnel
  - Boots-on-the-ground experience in Afghanistan
  - Active relationships with analysts in U.S. Army, Air-Force and others

- We seek partners in Industry and/or Academia with strengths in
  – Lexical Semantics
  – Linguistic and Cognitive Anthropology
  – Social and Cognitive Psychology
  – The language, literature and cultural details of program's cultures

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