Wright State Research Institute (WSRI)

IARPA CREATE Proposers’ Day Presentation
June 30th, 2015

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WSRI Background

• An applied research institute within Wright State University
• Rapid growth since 2009; >$20M in R&D
• Full contracting capability, large-scale S&T program management for DoD/Intelligence Community
• Focus on human dimension of intelligence analysis
• Partnering with Air Force to develop Analyst Test Bed
• Overseeing the Advanced Technical Intelligence Center
  - 501(c)(3) non-profit for training local and national intelligence workforce
  - Expertise in analytic tradecraft
  - Analyst Boot Camp

https://atichcd.org/
Unique Capabilities

• Former IARPA & DARPA program management experience
  - We understand what it takes to put together a complex multi-disciplinary team, write a winning proposal, and execute the research

• Expertise in:
  - Cognitive science of intelligence analysis
  - State-of-art / state-of-practice in IC analytic methods
  - Interviews and cognitive task analyses with IC analysts
  - Computational approaches to understanding high-level human reasoning, including:
    - Meta-reasoning, planning, collaborative problem solving, volitional explanation
• **Preferred Role:** Prime or Sub
• **Seeking expertise in:**
  • *Collective intelligence*, theory & modeling
  • *Crowd-sourcing*, methods & implementation
    • Prediction markets / forecasting tournaments
    • Aggregation algorithms
  • *Argument* generation / representation / evaluation
    • Argument Mapping, Concept Mapping
    • Informal logic
    • Intuitive causal theories
    • Related tools & software (e.g., SAT software)
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