



WRIGHT STATE
RESEARCH INSTITUTE

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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