SERC Doctoral Fellows Program

Mr. Jeffrey C. Dyer
Director, Systems Engineering
MISSION

Empower, unburden and protect the Warfighter by providing superior armaments solutions that dominate the battlefield.

- A full life-cycle Engineering Center; with a cross-product SE competency Directorate
- Support over 40 Major Customers and 1000+ fielded products
- Conducts State-of-the-Art Armaments Science and Technology Efforts
- 3500+ Employees
ARDEC’s SE Journey

• In-House Competency Based Organization
  – ~ 225 people in various SE Disciplines (64% E&Ss w/Adv Degrees)

• Process Oriented
  – SE Std Process

• Partnering to Learn and Shape SE Implementation
Our Needs

- Weapon System Acquisition Reform Act (WSARA 2009: PL 111-23)
  - Directed acquisition improvements through early SE and DP activities
- 2010 Army Acquisition Review
  - “Major Problems Hamper Acquisition”
  - Make Requirements Process Collaborative and Timely
- Integrated acquisition systems – SoSE
- Data Driven Decision Making at the Army Portfolio Acquisition Level
- “Building of the SE Bench” and Application
Doctorate Fellowship Program Partnership Offers

• Re-enforces commitment to our employees
  – Opportunity to grow and advance the career’s of our workforce
  – Increases **Value** to our customers

• Exposure to the latest SE methodologies
  – Graphical CONOPS

• Introduction to the Innovators of SE capability advancements and Leaders in SE application
  – Helix Participation
  – SE training
  – SE Experience Accelerator
Summary

• We are committed to developing an organic robust and competent SE workforce

• SE will provide needed discipline and structure to improve the effectiveness and efficiency of Army Acquisition

• Our relationships with the SERC has already paid dividends; We are excited about our partnership with the SERC PhD Fellowship