Working Group 12B
Architecture-Centric Evolution (ACE) of Software-Intensive Systems

Chairs
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Team
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ACE Working Group Goals

• Ninth of a GSAW series
  - Forum for software-intensive system experts, users, developers & researchers to collaborate and elucidate high-level recommendations for improving software architectures representation, development, & analysis

• Topic
  - Architecture Techniques & Challenges: Harmonizing new and reuse application and infrastructure software

• Presentations & panel discussions
  - Focus on integrating and harmonizing new, reuse, commercial, and open source application and infrastructure software
  - Current applications (including experiences and lessons learned) and Research for future application
ACE Invited Presenters/Panelists (1)

- Harmonizing Experiences and Lessons Learned
  - Reuse
    - Reuse: Dealing with the Hand You are Dealt
      » Jonathan Haulund, Los Angeles Air Force Base, SMC
    - Beyond the Code: Lessons Learned in Software Reuse
      » Amanda Ragan, Northrop Grumman
  - Enterprise Architecture
    - Integrating Legacy Software: Lessons and Hurdles
      » John Chobani, Aerospace Corporation
    - Architecture: Controlling Chaos by Defining Complex Interdependencies
      » Brian Giovannoni, JPL
    - Ground System as an Enterprise - Software Architecture Considerations
      » Gerald J. Dittberner, Harris Corporation
ACE Invited Presenters/Panelists (2)

• **New Research Techniques**
  - Cataloging and Detecting Architectural Smells
    - Joshua Garcia, USC
  - Modeling and Evolving Product Line Architectures Using Change Sets and Relationships
    - Scott Hendrickson, UCI