

# Enterprise Architecture @ Penn State

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# **Penn State's College of Information Sciences & Technology**

**Founded in 1999**

**Unique Curriculum in Enterprise Integration**

**Unique Faculty Composition**

**IST Goal: create well-rounded technology architects, consultants, and analysts**

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# **Penn State College of Information Sciences and Technology (IST) EA Initiatives**

- **The College of IST is embarking on several ground breaking educational initiatives in Enterprise Architecture (EA)**
- **The field is emerging as a critical discipline within industry**
- **However higher education has been slow to create educational and research programs to address this growing area of importance**
- **In response to feedback from corporate and government stakeholders, the following initiatives are planned**

# **Penn State College of Information Sciences and Technology (IST) EA Initiatives**

- **Partnership with the College of Business Administration to create a joint undergraduate major with a focus in Enterprise Architecture**
- **Creation of an online Professional Masters program in Enterprise Architecture**
- **Creation of an Enterprise Architecture Certificate series for early career professionals**
- **Creation of a Research Center in Enterprise Architecture**
- **Creation of an Enterprise Architecture Advisory Board (currently over sixty organizations with representatives from seven countries)**

# How We Got Here

- **IST's real-world/integration focus**
- **Involvement with The Association for Open Group Enterprise Architects (AOGEA), The Association for Enterprise Integration (AFEI), and other industry associations**
- **Prior work with Gartner's EA Research Group**
- **Pilot EA course with Accenture – Spring 2008**
- **New initiatives at IST - New Joint B.S. and New Online Professional Masters**
- **Exploration of the EA Advisory Board**

# EA Advisory Group – Initial List

Pricewaterhouse Coopers  
Lockheed Martin  
Boeing  
Accenture  
State of Pennsylvania  
Association for Open Group Enterprise Architects  
Association for Enterprise Integration  
Forrester  
Gartner  
Computer Sciences Corp  
IBM  
Microsoft  
Honeywell  
EMC  
Oracle  
SAP  
Deloitte  
FedEx  
Siemens  
Booz Allen Hamilton  
American Express  
US Department of Defense  
MITRE  
National Institute of Standards and Technology (NIST)  
Disney  
Bank of Montreal  
Fujitsu  
Raytheon

Northrop Grumman  
Cisco  
BAE Systems  
Johnson & Johnson  
Capgemini  
Geico  
Aetna  
AT&T  
AccessData  
Ernst & Young  
Discover  
Informatica  
Tata Consultancy Services  
Air Products  
Hersheys  
Wipro  
Cofinance Group  
US Air Force  
State Farm  
Verizon  
PNC Bank  
AMR Research

# Development Challenges

- **Perception of Enterprise Architecture as the “flavor of the day” by some individuals**
- **EA is evolving as a discipline and this evolution has been hampered by a lack of consensus on a comprehensive definition of EA**
- **Faculty Socialization/Understanding**
- **Marketing to Prospective Undergraduate Students**

# Plan for Moving Forward

- **Complete creation of EA Advisory Group**
- **Kick-off Advisory Group this fall at University Park**
- **Begin initial seed research project(s) – Fall 2009**
- **Begin launch of select courses – Fall 2010**
- **Continue to develop and expand this unique EA community**
- **Explore future opportunities and expand successful initial initiatives**
- **Evolution into a research center within IST**

# Questions

- **Which of the proposed EA initiatives would be of most interest to your organization and why?**
- **Which initiatives are of most interest to you personally and why?**
- **Are there other areas not on the list that we should consider as we move forward?**
- **Other comments & suggestions?**

# Discussion



**For more information contact**

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