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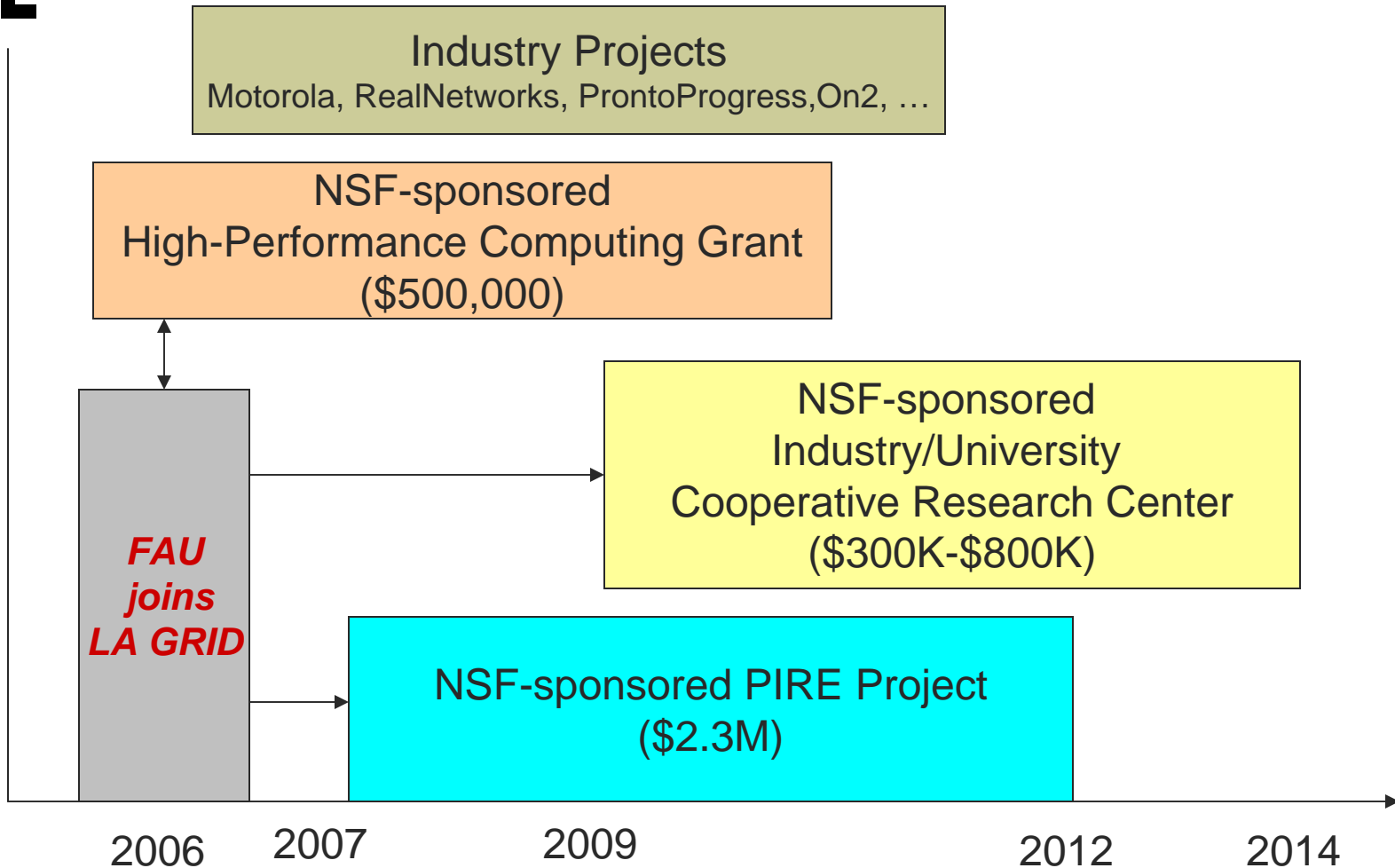
LA Grid Summit 2009

***Department of Computer & Electrical
Engineering and Computer Science***
College of Engineering and Computer Science

October 22, 2009



LA Grid-related Accomplishments



Center for High Performance Computing NSF Grant (\$500,000)

Title of the Project	Field of Research
Bioinformatics Research Consortium: Genomics for Quality Healthcare	Bioinformatics
Integrated Computation and Communication	System software
Video Coding and Processing	Multimedia
Biometrics Computing and Face Recognition	Biometrics
Experimental Mathematics	Combinatorics and graph theory
Human Genome	Biomedical science
Computational Physics	Solid state physics
Analysis of Large Test Data Set	Data mining

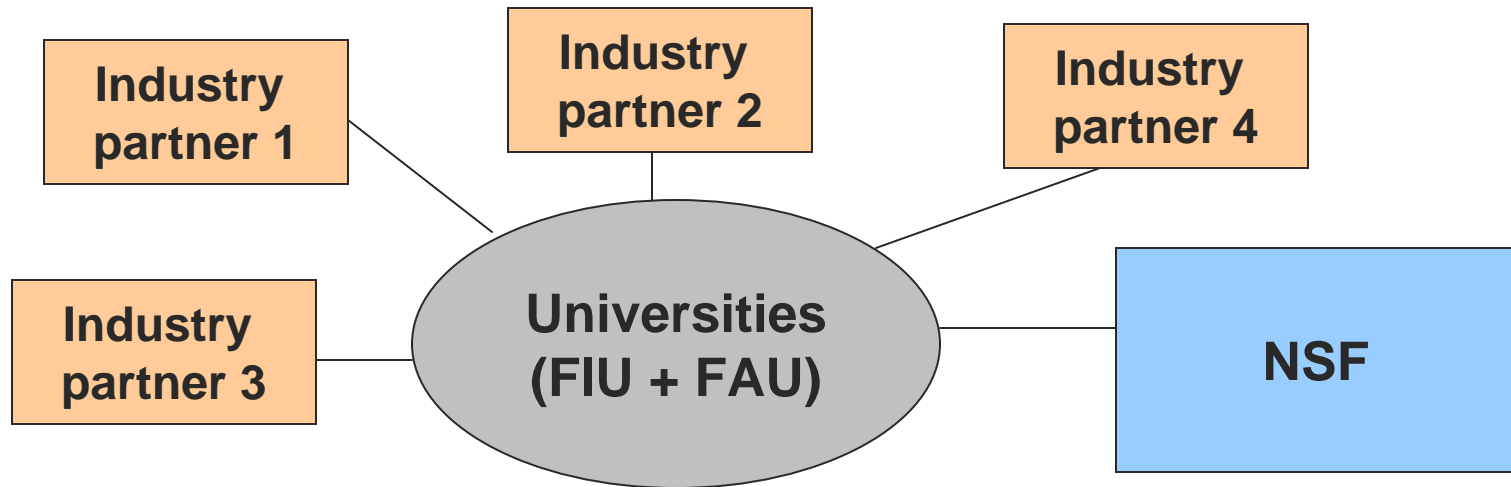
New Trend: The Entrepreneurial University

- Industry trends: research funding drastically reduced – chances for universities
- Universities can only effectively become incubators of entrepreneurship and innovation if they themselves practice entrepreneurship
- This “re-conceptualization” involves non-traditional, often radical university arrangements

FAU (CEECS) Strategy

- At College level: Innovation Leadership Program
- NSF Industry/University Cooperative Research Center
- Collaboration with R&D Park at FAU
- Embedding companies in the Department (Department is an incubator!)

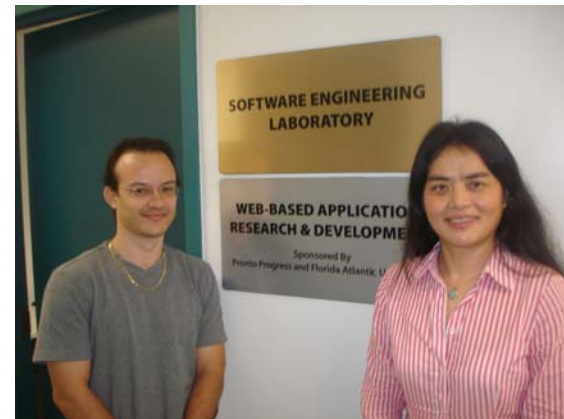
Model of the I/UCRC



- Industry partners pay the memberships (\$5K to \$50K+++ per year)
- NSF sponsors the Center (\$60K to \$200K per university per year)
- Industry Advisory Board selects the research projects
- Industry members select the products for commercialization – no royalties
- Expectations: \$750K from NSF + \$7.5M from Industry (5years)

Joint University/Industry Labs

- **Creating joint university-industry labs**
- **“Incubator as part of the Department”**
- **Examples: Pronto Progress Developing Web services for customers**
- **Motorola: Developing tools and techniques for mobile applications**
- **Several companies interested to join this model**



Mobile Technology Consortium

- To bridge the university wisdom with the local entrepreneur spirit for the growth of mobile technology & user experience
- To bring together system companies, small businesses, universities, and government agencies to evolve next generation Mobile Technology platforms, applications and automation
- To provide a quarterly session to present “Hot Technology Topics” and collect needs of the local entrepreneurs and businesses. Initiate 3 projects by year end and spin one company by 2010.



Creating Interdisciplinary Research Teams

- Bioengineering/Bioinformatics/Healthcare
- Mobile Systems and Applications
- Secure Communication Systems
- Signal Processing and Embedded Systems
- New Digital Media in Entertainment and Arts
- Energy Systems and Climate Change
- Electromagnetic Systems and Applications
- And more

Final Results

Sponsored Research

