

# ALABAMA SCIENCE AND TECHNOLOGY ROADMAP

## Project Overview

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Alabama competes with other states and regions in an increasingly global innovation-driven economy. To compete, the State must have strong innovation assets, and be especially adept at leveraging those assets to create prosperity and jobs in Alabama. The Alabama Science and Technology Roadmap Project will assemble the information, develop the strategies, and engage the key public and private sector decision-makers necessary to enable the State to compete in this challenging environment.

**The Project** will produce a comprehensive, strategic roadmap that will be designed to achieve the following outcomes:

1. The **retention and growth** of vibrant Alabama companies and industry clusters
2. The **diversification** of the State's economic base with technology- and knowledge-intensive companies
3. The **growth and support** of entrepreneurship
4. Universities that are both **well-positioned** to compete for students, faculty, and sponsored research in national and global arenas and to commercialize innovations with Alabama companies
5. **Growth** of federal, state, and private investment in Alabama's science and technology assets
6. A **well-prepared healthy and innovative** workforce
7. **Strong alignment** of public policy and funding, institutional priorities, and private sector investment to produce prosperity and jobs in Alabama

**The Project** represents a major collaboration among the Alabama Research Alliance, the Economic Development Partnership of Alabama, the Alabama Department of Economic and Community Affairs, the Alabama Development Office, and the Alabama EPSCoR (Experimental Program to Stimulate Competitive Research). Guiding the project is a steering committee of key public and private sector leaders from across the State.

Beginning in March 2009 and concluding in January 2010, the Project will consist of **two phases**.

**The first phase** will produce an assessment of science, technology, and innovation in Alabama, as well as trends in the global innovation economy, and best practices in science, technology, and innovation policy from other states. The first phase culminates in two documents: an Alabama Index of Science, Technology, and Innovation, and a Best Practices Briefing Book.

**The second phase** begins with a statewide Alabama Science, Technology, and Innovation Summit, then focuses on developing strategic priorities and specific action plans, culminating in the formal release of the Alabama Science and Technology Roadmap.

*For more information, contact Angela Wier at the Economic Development Partnership of Alabama, [awier@edpa.org](mailto:awier@edpa.org) or (205) 943-4778.*

## STEERING COMMITTEE

<p><b>Greg Barker</b> Economic Development Manager Alabama Power Company</p>	<p><b>Dr. Joseph Benson</b> Vice President, Research University of Alabama</p>	<p><b>Robert Crutchfield</b> Venture Partner Harbert Venture Partners, LLC</p>
<p><b>Ron Davis</b> Plant Manager ZF Lemforder Corporation</p>	<p><b>David R. Echols</b> Senior Project Manager Alabama Development Office</p>	<p><b>J. Tate Godfrey, CEcD</b> Executive Director NAIDA</p>
<p><b>Steve Goldsby</b> President and CEO Integrated Computer Solutions, Inc.</p>	<p><b>Seth Hammett</b> Director of Economic Development Alabama Electric Cooperative</p>	<p><b>Dr. Shaik E. Jeelani, Ph.D., P.E.</b> VP for Research and Sponsored Programs Tuskegee University</p>
<p><b>Dr. W. Blaine Knight, Ph.D.</b> Vice President Southern Research Institute</p>	<p><b>Dr. Thomas M. Koshut</b> Associate VP, Research University of Alabama in Huntsville</p>	<p><b>Dr. Russ Lea</b> Vice President, Research University of South Alabama</p>
<p><b>Dr. Richard Marchase</b> VP Research – Economic Development University of Alabama at Birmingham</p>	<p><b>Dr. Michael E. Orok, Ph.D.</b> Associate Provost for Academic Affairs and Graduate Studies Alabama A &amp; M University</p>	<p><b>Dr. H. O’Neal Smitherman</b> Executive Vice President Hudson Alpha Institute for Biotechnology</p>
<p><b>Linda Swann</b> Assistant Director Alabama Development Office</p>	<p><b>Jeff Thompson</b> UAH Office for Economic Development</p>	<p><b>Dr. Art Tipton</b> President SurModics Pharmaceuticals</p>
<p><b>F. Neal Wade</b> Director Alabama Development Office</p>	<p><b>William F. Waite</b> Chairman and Chief Technical Officer Aegis Technologies</p>	<p><b>Michael D. Ward</b> VP, Governmental Affairs Chamber of Commerce of Huntsville/Madison County</p>
<p><b>John D. Weete, Ph.D.</b> Executive Director, Auburn Research &amp; Technology Foundation Auburn University</p>	<p><b>Dr. Jim Williams</b> Executive Director Public Affairs Research Council of Alabama</p>	

# ALABAMA SCIENCE AND TECHNOLOGY LEADERSHIP SUMMIT

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September 22, 2009

8:00 a.m. – 3:30 p.m.

SurModics Pharmaceuticals  
750 Lakeshore Parkway  
Birmingham, Alabama 35211

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## Agenda

- 8:00 a.m.      **Introductory Remarks – Doni Ingram, Director ADECA**
- 8:10 a.m.      **Background and Overview – Doug Henton, Collaborative Economics**
- 8:30 a.m.      **Life Sciences Research and Transformation to a Healthier Alabama Panel**
- 9:30 a.m.      **Break**
- 9:45 a.m.      **Building the Roadmap Panel- moderated by Doug Henton**  
*AEROSPACE & DEFENSE- Dennis Smith, Vice President of Strategy and Analysis, Millennium Engineering*  
*COMMERCIALIZATION - Bob Crutchfield, Venture Partner, Harbert Management Corp*  
*ENERGY TECHNOLOGIES - Larry Fillmer, Executive Director, Natural Resources Management and Development Institute, Auburn University*  
*INFORMATICS & IT - Steve Goldsby, President, ICS*  
*LIFE SCIENCES - Richard Marchase, Vice President for Research - Economic Development, University of Alabama at Birmingham*  
*MODELING AND SIMULATION/AUTOMOTIVE – Bill Waite, Chairman and CEO, AEgis Technologies*  
*NANOTECHNOLOGY – Bob Lindquist, Director NNMDC and CAO, University of Alabama in Huntsville*
- 10:45 a.m.      **Breakout Sessions: Identifying Priorities in Each Opportunity Area**
- 12:00 a.m.      **Lunch** (Sponsored by Economic Development Allies)

1:00 p.m. **Reports from Breakout Sessions**

AEROSPACE & DEFENSE

COMMERCIALIZATION

ENERGY TECHNOLOGIES

INFORMATICS & IT

LIFE SCIENCES

MODELING AND SIMULATION/AUTOMOTIVE

NANOTECHNOLOGY

2:10 p.m. **Summary and Next Steps** – Doug Henton

2:25 p.m. **Introduction of Governor Riley** by Art Tipton, President, SurModic  
Pharmaceuticals

2:30 p.m. **Governor Bob Riley**

3:30 p.m. **Adjourn**