The UAB GATE center is focused on training students in advanced lightweight materials and manufacturing technologies. Recent developments in low-cost composite materials and lightweight castings and fabrication technologies offer excellent potential for design and manufacturing of future generation transportation, including automobiles, mass transit and light, medium and heavy trucks.

**PARTNERS**
- UAB School of Engineering (Materials Science & Engineering, Mechanical Engineering, Biomedical Engineering, Civil & Environmental Engineering)
- National Composite Center, Kettering, Ohio
- Miles College, Bessemer Technical Community College, Heritage Center
- Alabama Automotive Companies (Honda, Mercedes, Hyundai and ancillaries)
- Small Businesses (Castings, Plastics and Composites Manufacturer’s)
- DOE Oak Ridge National Laboratory
- Society for Plastics Engineers

Alabama has a rapid growing automotive industry. Since 1993 the automotive sector has created more than 35,000 new jobs and $6.4 billion in capital investment in Alabama.

For additional information, please contact:
- Dr. J. Barry Andrews, UAB Department of Materials Science & Engineering, 205-934-8451, barry@uab.edu
- Dr. Uday Vaidya, Department of Materials Science & Engineering, 205-934-9394, uvaidya@uab.edu
- George Husman, Office of Engineering Research & Applications Development; 205-996-4448; ghusman@uab.edu