

# CONNECTICUT ACADEMY OF SCIENCE AND ENGINEERING

## The Technical Boards of the Academy

The Members of the Academy are divided into ten Technical Boards that represent both their technical and public policy interests. Each Technical Board has three responsibilities in its designated policy area: serve as a forum for examining science-based issues; provide the resource for assembling and overseeing *ad hoc* committees to respond to inquiries placed with the Academy; and generate guidance in instances where science and technology are expected to offer new opportunities or challenges for the development of sound state policy.

### **AGRICULTURE, FOOD & NUTRITION**

The production, distribution, safety, and nutrition of food, including development of biotechnology to improve the quality of food and the environment.

### **BIOMEDICAL RESEARCH & HEALTH CARE**

The delivery, quality and cost of medical care and related problems, including preventative health care and the development of biotechnology for improving human health.

### **COMMUNICATION AND INFORMATION SYSTEMS**

All means of communicating: voice, data, and other combinations of business and personal information, including the development of new hardware and software technologies, with special attention to complementarity and interchangeability with transportation systems.

### **ECONOMIC DEVELOPMENT**

Economic opportunities afforded by Connecticut's technological base and its human and natural resources, with a special role in assessing the potential economic impact of new technologies.

### **EDUCATION AND HUMAN RESOURCES**

The effective utilization of people in ways that will contribute to human development and economic growth, including applications of technology to improve both basic and advanced skills to make people more employable, and with attention to the impact of urban growth and development.

### **ENERGY PRODUCTION, USE AND CONSERVATION**

The production, use, conservation and distribution of energy with special attention to meeting future demand and environmental quality standards.

### **ENVIRONMENT**

The physics, chemistry, geology, biology ecology and engineering of the environment as these relate to issues of economic development, energy use, transportation, public health and the quality and utilization of Connecticut's atmosphere, land, water and sea natural resources.

### **PUBLIC HEALTH**

The impacts on the public health of communicable diseases and of materials and energy of man-made and natural origin on the environment.

### **TECHNOLOGY**

The development and utilization of knowledge for the purpose of providing material goods and services, including the utilization of research results to design and manufacture materials and products, with particular attention to developing effective means for transferring technology from the academic to the industrial community and within the industrial community, and for the improvement of manufacturing technology.

### **TRANSPORTATION SYSTEMS**

The movement of people and material within and across Connecticut, including vehicles and infrastructure, with special attention to complementarity and interchangeability with communication systems.