

# CNS RESEARCH CENTERS

## **AMHERST CENTER *for* FUNDAMENTAL INTERACTIONS**

Advances research in theoretical and experimental physics at the interface of the Energy, Intensity, and Cosmic frontiers.

## **CENTER *for* APPLIED MATHEMATICS and MATHEMATICAL COMPUTATION**

Focuses on research and education in applied and computational mathematics.

## **CENTER *for* EVOLUTIONARY MATERIALS**

Focuses on evolutionary materials research and education.

## **CENTER *for* HIERARCHICAL MANUFACTURING**

Develops nanostructured materials for next-generation devices for information processing, energy conversion, and human health.

## **CENTER *for* NEUROENDOCRINE STUDIES**

Researches the relationships between the brain and hormones, physiology, and behavior.

## **CENTER *for* RESEARCH *on* FAMILIES**

Supports natural, social, and behavioral sciences research on issues relevant to families.

## **CLIMATE SYSTEM RESEARCH CENTER**

Studies the climate system, climatic variability, and global change, spanning contemporary to paleoclimatic and paleoenvironmental changes.

## **FERGUS M. CLYDESDALE CENTER *for* FOODS *for* HEALTH *and* WELLNESS**

Unites scientists, government agencies, and industry to identify solutions to food-related health issues.

## **INSTITUTE *for* MASSACHUSETTS BIOFUEL RESEARCH**

Develops cost-effective technologies to produce ethanol and other alternative fuels from biomass.

## **LARGE MILLIMETER TELESCOPE**

A collaboration between UMass Amherst and Mexico; collects data from distant galaxies using the world's largest single-dish telescope operating at millimeter wavelengths.

## **MASS CAM: CENTER *for* AUTONOMOUS MATERIALS**

Offers interdisciplinary expertise at the interface between soft, biological materials and quantum-mechanical, electronic materials to develop a new paradigm of electronics manufacturing.

## **NORTHEAST CLIMATE SCIENCE CENTER**

A collaboration of seven institutions that provides climate science tools and information for natural and cultural resource managers across the Northeast United States.

## **RESEARCH FORESTS**

More than 2,000 acres in five forests.

## **WATER RESOURCES RESEARCH CENTER**

Supports interdisciplinary research, education, and outreach efforts on water resources issues of state, regional, and national importance.