

Innovative Computing Laboratory (ICL) is part of the computer science department at the University of Tennessee (UT) and serves as the cornerstone laboratory of the Center for Information Technology Research (CITR), one of UT's nine Centers of Excellence.

ICL aspires to be a world leader in enabling technologies and software for scientific computing. Our vision is to provide high performance tools to tackle science's most challenging problems and to play a major role in the development of standards for scientific computing.

## ICL RESEARCH

Our large and wide-ranging portfolio of research projects has evolved over the course of many years. In 2006, we will engage in more than 16 significant projects within the four research domains listed below:



### DISTRIBUTED COMPUTING

VGrADS  
HARNESS  
NetSolve/GridSolve  
FT-MPI

### NUMERICAL LINEAR ALGEBRA

ScaLAPACK  
LAPACK for Clusters  
SANS Effort  
Sparse Matrices



### ASSET MANAGEMENT

Netlib  
RIB  
ReST  
Netbuild

### PERFORMANCE ANALYSIS & BENCHMARKING

LINPACK Benchmark  
PAPI  
TOP500  
KOJAK  
HPC Challenge

#### INDUSTRY SUPPORT FROM



#### GOVERNMENT SUPPORT FROM



## ICL PROFILE

ESTABLISHED **1989**  
RESEARCH STAFF **49**  
INTERNATIONAL COLLABORATORS **21**  
DOMESTIC RESEARCH PARTNERS **32**  
AVERAGE ANNUAL PUBLICATIONS **30**  
R&D 100 AWARDS **4**

## ICL TEAM



Numbering nearly 50, our full and part-time staff makes ICL one of the largest research groups at the University. Our success at attracting experts and top researchers from all over the globe has helped us become a world leader in enabling technology research. Year in and year out we provide assistantships for nearly a dozen bright, motivated graduate students who eventually move on to apply their skills at such high profile organizations as Microsoft, Sun Microsystems, Hewlett-Packard, and IBM just to name a few.