

- Medical/Scientific Equipment portable diagnostic instruments.
- Advanced materials: composites for aerospace and automobile materials and superconductor devices.
- Energy: alternative formulation gasoline/fuel, air pollution monitoring equipment and electric and natural gas-powered vehicles.

KEY ORGANIZATIONS

This region's well-endowed universities, both public and private, act as the driving force behind a large number of collaborative research and development efforts. These include:

- Jet Propulsion Laboratory (JPL), the nation's second largest federal laboratory, with R&D expenditures topping US\$1 billion. JPL is an operating division of CalTech and manages facilities provided by NASA, JPL is the lead NASA centre for unmanned space exploration. JPL's primary roles include: exploration of the earth and solar system with automated spacecraft; design and operation of the Deep Space Tracking Network; and, scientific and engineering research in support of U.S. energy and security interests.
- NASA Industrial Applications Centre (University of Southern California): developing remote telecommunications capabilities to facilitate technical dissemination.
- National Supercomputer Research Center (UCSD): is geared toward translating the results of scientific research into applied engineering solutions. At the heart of the center is a Cray X-MP/48 supercomputer with eight million words of memory.
- National Engineering Research Center for Robotics Systems in Microelectronics (UCSB): mission is to apply robotics and automated process control to advanced semiconductor devices.
- Institute of Manufacturing and Automation Research (USC): in conjunction with University of Southern California and a consortium of companies, IMAR investigates new and advanced technologies for manufacturing while providing training for future production engineers.
- Research Institute of Scripps Clinic (San Diego); is a non-profit medical and research facility carrying out basic research in the fields of immunology, microbiology, virology, molecular biology and neurobiology.
- Salk Institute for Biological Studies (San Diego); half the institute's research is in neuroscience; the remainder focuses on cancer and AIDS research, particularly mapping human genes.

TECHNOLOGICAL OPPORTUNITIES FOR CANADIANS

Opportunity will continue to exist in the aerospace industry, telecommunications, electronics, medical instrumentation, software, and biotechnology.

CONTACT POINT

Technology Development Officer
Canadian Consulate General
300 South Grand Avenue, 10th Floor
California Plaza
Los Angeles, California
U.S.A. 90071
Tel: (213) 687-7432
Fax: (213) 620-8827
Telex: 0067-4119 (DOMCAN LSA)