

# Network Technologies Program



## Vision

Transforming the telecommunications network to provide cost-effective and pervasive internet services

## The Opportunity

The Internet is poised to become pervasive throughout society with its proliferation into every aspect of our life. As the Internet grows in reach and capacity, current network infrastructure needs to evolve into a very large-scale interconnected network having a seamless integration of optical, copper and wireless infrastructure. The Network Technologies Program will provide new architectures, devices, measurement and control methodologies for such an integrated system.

## Research

Wireless, Cable and Optical Communications  
Management of Networks  
Impairment Mitigation and Measurement  
Core Networks  
Access Networks  
Wireless Networks