

BBN Technologies



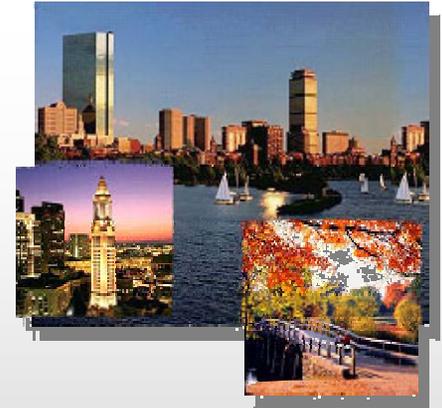
"Some things remain constant. We hire bright, passionate, honest staff and give them all the tools they need to tackle the hardest technical problems in a practical manner. These folks are the soul of BBN."

.....

Tad Elmer
President
BBN Technologies

Who is BBN Technologies?

- Advanced technology research and development firm, principal offices in Cambridge, MA and Washington, DC area
- 650 employees and growing
- Profitable
- Excels at building practical and affordable solutions to complex technology problems
- Known for taking risks and challenging conventions in pursuit of new and fundamentally better solutions
- Customers are at the core of our success and have been for over 55 years.



- **AFRL, Army Research Laboratory, DARPA, Defense Logistics Agency, Department of the Navy, NASA, Naval Sea Systems Command, Naval Undersea Warfare Center, U.S. Army, BAE Systems, Boeing, Textron, Electric Boat, General Dynamics, Lockheed Martin, Motorola, Northrop Grumman, Raytheon, Verizon**

History of Innovation

1950s

Acoustic Design for UN General Assembly Hall

AI Program for Pattern Recognition

1960s

Demonstration of Time Sharing

LOGO Programming Language

ARPANET-First Multi-node Packet Switched Network

1970s

1st Person-to-Person Network Email

@ Sign for Email Addresses

Acoustic analysis of JFK Assassination Tapes

Analysis of Nixon Watergate Tapes

First Symmetric Multi-processor

First TCP for UNIX

1980s

First Electronic Mail

Defense Data Network

National Science Foundation Network (NSFNET)

Natural Language Computer Interface

Intelligent Agents

SimNet

Collaboration Planning Technology

1990s

Secure email for DoD

Multi-Gigabit Router

Information Assurance

Broadband Wireless Technology

Genetic Algorithm Scheduling Tools

Collaborative Planning for Desert Storm

ATM Switch

40K Word Speech Recognition System

Logistics Anchor Desk deployed for Bosnia

Safekeyper Certificate Management

2000s

Call Director Natural Language Routing

DARPA Agent Markup Language

Microthunder Urban Environment Surveillance System

Ultra*Log Agent-Based Network Survivability

Boomerang Acoustic Counter Sniper System

Quantum Cryptographic Network

BBN Core Technology Expertise

- Networking/MANET/Expertise
 - Major contributor to key DoD wireless/MANET programs (SURAN, NTDR, GloMo, XG, JTRS WNW)
 - MANET and MAC for novel DoD networking technologies
 - first directional antenna ad hoc networking: FCS-C
 - MIMO MAC: MNM
 - XG (Phases 1 and 2): Policy-agile opportunistic communications
 - SUO Networking Algorithms
 - Connectionless
 - NETEX
 - Parameters of MANET protocol (ERNI)
 - Reconfigurable network topology (Salamander)
- Optimization and Control Expertise
 - Distributed middleware and real-time adaptive QoS (e.g., PCES)
 - Real-time optimization (e.g., genetic algorithm in Boomerang)
 - Distributed, optimized compute job scheduling (SASSI)
- We are in a strong leadership position for CBMANET
 - Expertise in core area, ability to work with both industry and academia

Contact Information

Contact us if you would like to partner with us.

- Craig Partridge, 517-324-3425, Email: cpartridge@bbn.com
- Rajesh Krishnan, 617-873-4684, Email: rkrishnan@bbn.com
- Mike Neufeld, 617-873-1898, Email: mneufeld@bbn.com
- Jim Webster, 617-873-2687, Email: jwebster@bbn.com