Securing the Open Softphone

Kickoff Colloquium September 1, 2010





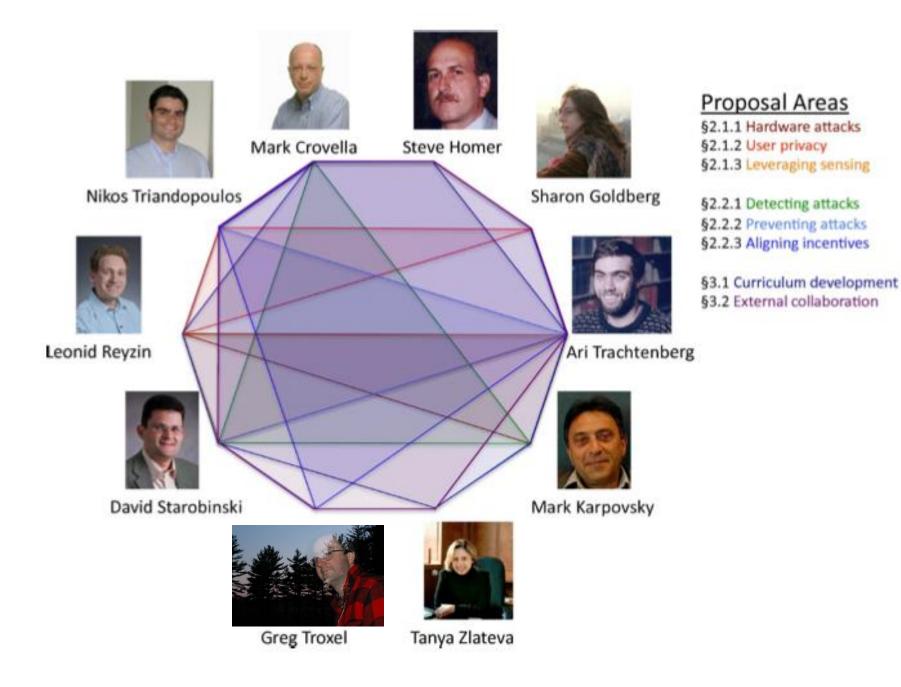






A Unique Team

- All nine of the principal investigators are faculty members at Boston University
 - Very rare to have such a broad and deep collection of expertise under one roof
- Cross-cutting collaboration between
 - Computer Science,
 - Electrical and Computer Engineering, and
 - Metropolitan College Computer Science



Collaborators

Raytheon BBN Technologies

Experts in software defined radio

University of Warwick

Digital forensics, malware propagation, formal modeling

Deutsche Telekom

Major handset vendor (T-Mobile) and network service provider

Extensive security experience





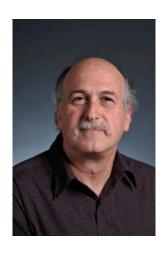
Mark Crovella



Professor Computer Science Department College of Arts and Sciences http://www.cs.bu.edu/fac/crovella

- Performance evaluation
- Parallel and networked computer systems
- Internet measurement and modeling
- Self-similarity and heavy-tailed distributions in network traffic

Steven Homer



Professor Computer Science Department College of Arts and Sciences http://www.cs.bu.edu/fac/homer

- Theoretical computer science
- Complexity theory
- Quantum computing
- Learning theory
- Parallel and probabilistic algorithms

Sharon Goldberg



Assistant Professor Computer Science Department College of Arts and Sciences http://www.cs.bu.edu/fac/goldbe Research Interest

Network Security

Mark Karpovsky



Professor Electrical and Computer Engineering College of Engineering http://mark.bu.edu

- Design of secure cryptographic devices and smart cards
- Routing in interconnection networks design and protection of cryptographic devices
- Fault-tolerant computing
- Error correcting codes
- Testing and diagnosis of computer hardware

Leonid Reyzin



Associate Professor Computer Science Department College of Arts and Sciences http://www.cs.bu.edu/fac/reyzin Research Interest

Cryptography

David Starobinski



Associate Professor Electrical and Computer Engineering College of Engineering http://people.bu.edu/staro

- Wireless networking and security
- Network economics
- Stochastic Processes
- Algorithms

Ari Trachtenberg



Associate Professor Electrical and Computer Engineering College of Engineering http://people.bu.edu/trachten

- Error correcting codes
- Security and algorithms
- Data synchronization
- Location detection
- Sensors, PDAs, smartphones

Nikos Triandopoulos



Research Assistant Professor RISCS Center and Computer Science http://www.cs.bu.edu/~nikos

- Information Security & Privacy
- Network Security
- Distributed System Security
- Secure Protocol Design

Tanya Zlateva



Associate Professor Computer Science Department Metropolitan College http://people.bu.edu/zlateva

- Computational Modeling of Visual Perception, Recognition, Three Dimensional
- Representations of Object Shape, Parallel and Distributed Processing