

# Kevin C. Almeroth

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## Education

- Ph.D.** June 1997 *Georgia Institute of Technology* Computer Science  
*Dissertation Title:* Networking and System Support for the Efficient, Scalable Delivery of Services in Interactive Multimedia Systems  
*Minor:* Telecommunications Public Policy
- M.S.** June 1994 *Georgia Institute of Technology* Computer Science  
*Specialization:* Networking and Systems
- B.S.** June 1992 *Georgia Institute of Technology* Information and Computer Science  
**(high honors)** *Minors:* Economics, Technical Communication, American Literature

## Employment History

Professor	Department of Computer Science University of California Santa Barbara, CA	Jul 2005 -- present
Associate Dean	College of Engineering University of California Santa Barbara, CA	Mar 2007 -- Aug 2009
Vice Chair	Department of Computer Science University of California Santa Barbara, CA	Jul 2000 -- Nov 2005
Associate Professor	Department of Computer Science University of California Santa Barbara, CA	Jul 2001 -- Jun 2005
Assistant Professor	Department of Computer Science University of California Santa Barbara, CA	Jul 1997 -- Jun 2001

Graduate Researcher	Broadband Telecommunications Center Georgia Center for Adv Telecom Tech Atlanta, GA	Sep 1996--Jun 1997
Graduate Intern	IBM T.J. Watson Research Labs Hawthorne, NY	Jun 1995--Sep 1995
Support Specialist	Office of Information Technology Georgia Institute of Technology Atlanta, GA	Sep 1995--Jun 1997
Research Assistant	College of Computing Georgia Institute of Technology Atlanta, GA	Jan 1994--Mar 1994
Graduate Intern	Hitachi Telecommunications Norcross, GA	Jun 1992--Sep 1992

## Industry Technical Advising

Board of Directors	The New Media Studio Santa Barbara, CA	Nov 2006 -- present
Co-Founder & Chairman of the Board	Santa Barbara Labs, LLC Santa Barbara, CA	Sep 2007 -- Dec 2009
Board of Advisors	Techknowledge Point Santa Barbara, CA	May 2001 -- Dec 2007
Technical Advisory Board	Occam Networks, Inc. Santa Barbara, CA	May 2000 -- Dec 2010
Board of Advisors	Airplay Inc. San Francisco, CA	Jun 2005 -- Aug 2009
Consultant	Lockheed Martin Corporation San Jose, CA	Nov 1999 -- Jun 2009
Board of Advisors	Santa Barbara Technology Group Santa Barbara, CA	Sep 2000 -- Dec 2004
Board of Directors	Virtual Bandwidth, Inc. Santa Barbara, CA	Nov 2000 -- Jun 2001
Board of Advisors & Affiliated Scientist	Digital Fountain San Francisco, CA	Jan 2000 -- Dec 2001
Senior Technologist	IP Multicast Initiative, Stardust Forums Campbell, CA	Jun 1998 -- Dec 2000

## A. Courses Taught

CS 176A	Intro to Computer Communication Networks	Fall 1997, Fall 1998, Fall 2002, Fall 2003, Fall 2004, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Fall 2008, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Fall 2013
CS 176B	Network Computing	Winter 2000, Winter 2001, Winter 2002, Winter 2012, Winter 2014
MAT 201B	Media Networks and Services	Fall 1999, Fall 2000, Fall 2001, Fall 2003
CS 276	Distributed Computing and Computer Networks	Winter 1999, Spring 2000, Fall 2002, Fall 2005
CS 290I	Networking for Multimedia Systems	Winter 1998, Spring 1999, Fall 2004, Winter 2010
CS 595N	Technology and Society	Winter 2005, Fall 2005, Spring 2006, Fall 2006, Spring 2007, Fall 2007, Spring 2008, Fall 2008, Spring 2009
CS 595N	Economic Systems Seminar	Winter 2004, Spring 2004, Winter 2005, Spring 2005
CS 595N	Networking Seminar	Winter 1999, Fall 1999, Winter 2003
CS 595N	Wireless Networking & Multimedia Seminar	Fall 2000
CS 595I	Systems Design and Implementation Seminar	Fall 1999, Fall 2000, Winter 2001, Spring 2001, Winter 2002, Spring 2002

## B. Other Teaching Experience

- *The Evolution of Advanced Networking Services: From the ARPAnet to Internet2*, Instructor, Summer 2001. Short course taught at Escuela de Ciencias Informatica (ECI) sponsored by the Universidad de Buenos Aires.
- *Johns Hopkins Center for Talented Youth*, Instructor, Summer 1994. CTY is a program to teach gifted high school students the fundamentals of computer science.
- *Georgia Institute of Technology*, Graduate Teaching Assistant, Sep 1994--Sep 1996. Worked as a TA for 12 quarters teaching 7 different courses (4 undergraduate and 3 graduate).

## C. Ph.D. Students Advised [12 graduated and 2 current]

14. Daniel Havey  
Research Area: *Improving End-to-End Communication with Wireless Links*  
Date Started: Spring 2008
13. Lara Deek (co-advised with E. Belding)  
Research Area: *Wireless Network Management*  
Date Started: Fall 2006
12. Mike Wittie  
Research Area: *Towards Sustained Scalability of Communication Networks*

- Date Graduated: Summer 2011  
First Position: Assistant Professor, Montana State University
11. Allan Knight  
Research Area: *Supporting Integration of Educational Technologies and Research of Their Effects on Learning*  
Date Started: Fall 2002  
Date Graduated: Summer 2009  
First Position: Research Scientist, Citrix Online
  10. Hangjin Zhang  
Research Area: *Towards Blended Learning: Educational Technology to Improve and Assess Teaching and Learning*  
Date Started: Fall 2002  
Date Graduated: Spring 2009  
First Position: Microsoft
  9. Gayatri Swamynathan  
Dissertation Title: *Towards Reliable Reputations for Distributed Applications*  
Date Started: Fall 2003  
Date Graduated: Spring 2008  
First Position: Zynga
  8. Amit Jardosh (co-advised with E. Belding)  
Dissertation Title: *Adaptive Large-Scale Wireless Networks: Measurements, Protocol Designs, and Simulation Studies*  
Date Started: Spring 2003  
Date Graduated: Fall 2007  
First Position: Yahoo!
  7. Khaled Harras  
Dissertation Title: *Protocol and Architectural Challenges in Delay and Disruption Tolerant Networks*  
Date Started: Fall 2002  
Date Graduated: Summer 2007  
First Position: Assistant Professor, Carnegie Mellon University
  6. Krishna Ramachandran (co-advised with E. Belding)  
Dissertation Title: *Design, Deployment, and Management of High-Capacity Wireless Mesh Networks*  
Date Started: Fall 2003  
Date Graduated: Winter 2006  
First Position: Research Scientist, Citrix Online
  5. Robert Chalmers  
Dissertation Title: *Improving Device Mobility with Intelligence at the Network Edge*  
Date Started: Spring 1999  
Date Graduated: Summer 2004  
First Position: President and CEO, Limbo.net
  4. Prashant Rajvaidya  
Dissertation Title: *Achieving Robust and Secure Deployment of Multicast*  
Date Started: Winter 1999  
Date Graduated: Spring 2004  
First Position: President and CTO, Mosaic Networking
  3. Sami Rollins  
Dissertation Title: *Overcoming Resource Constraints to Enable Content Exchange Applications in Next-Generation Environments*  
Date Started: Spring 1999  
Date Graduated: Spring 2003  
First Position: Assistant Professor, Mount Holyoke College
  2. Srinivasan Jagannathan

Date Started: Fall 1999  
Date Graduated: Spring 2003  
First Position: Consultant, Kelly & Associates

1. Kamil Sarac

Dissertation Title: *Supporting a Robust Multicast Service in the Global Infrastructure*  
Date Started: Spring 1998  
Date Graduated: Spring 2002  
First Position: Assistant Professor, UT-Dallas

**D. M.S. Students Advised (Thesis/Project Option) [19 graduated and 0 current]**

19. Neer Shey

Research Area: *Analyzing Content Distribution Through Opportunistic Contact for Smart Cellular Phones*  
Date Graduated: Spring 2010

18. Camilla Fiorese

Research Area: *Analysis of a Pure Rate-Based Congestion Control Algorithm*  
Date Graduated: Summer 2009

17. Brian Weiner

Research Area: *Multi-Socket TCP: A Simple Approach to Improve Performance of Real-Time Applications over TCP*  
Date Graduated: Fall 2007

16. Avijit Sen Mazumder

Research Area: *Facilitating Robust Multicast Group Management*  
Date Graduated: Fall 2005

15. Rishi Matthew

Thesis Title: *Providing Seamless Access to Multimedia Content on Heterogeneous Platforms*  
Date Graduated: Summer 2004

14. Camden Ho

Research Area: *Tools and Techniques for Wireless Network Management*  
Date Graduated: Spring 2004

13. Amit Jardosh (co-advised with E. Belding)

Research Area: *Realistic Environment Models for Mobile Network Evaluation*  
Date Graduated: Spring 2004

12. Nitin Solanki

Research Area: *SongWand: A Wireless Barcode Scanner Using Bluetooth Technology*  
Date Graduated: Winter 2004

11. Vrishali Wagle (co-advised with E. Belding)

Research Area: *An Ontology-Based Service Discovery Mechanism*  
Date Graduated: Winter 2004

10. Uday Mohan

Thesis Title: *Scalable Service Discovery in Mobile Ad hoc Networks*  
Date Graduated: Spring 2003

9. Krishna Ramachandran

Thesis Title: *Ubiquitous Multicast*  
Date Graduated: Spring 2003

8. John Slonaker

Thesis Title: *Inductive Loop Signature Acquisition Techniques*  
Date Graduated: Spring 2002

7. Mohammad Battah

Thesis Title: *Dedicated Short-Range Communications Intelligent Transportation Systems Protocol*

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