

December 21, 2005

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Faculty Search Committee
Department of Computer Science
Clemson University
Clemson, SC 29634-0974

To Whom It May Concern,

I am writing to apply for the position of assistant professor in Clemson University's Computer Science Department. I plan to receive my Ph.D. degree from the University of Illinois at Urbana-Champaign in Summer of 2006. My adviser is Prof. Nitin H. Vaidya, and my general areas of interest include wireless and sensor network performance and security. Having many friends and family in the area, I would be most enthused to return to the South permanently by accepting a position at your institution.

In my graduate work, I focus on the design of energy-efficient protocols and secure key distribution. More specifically, I have explored various techniques at multiple layers of the network stack to effectively reduce the energy consumption of wireless communication. In security, my work was the first to propose leveraging channel diversity for sensor network key distribution. My research appears in the *IEEE Transactions on Mobile Computing* journal as well as *Infocom 2006* and *ICDCS 2005*, prestigious conferences in the areas of networking and distributed systems, respectively.

Enclosed is my curriculum vitae (including a list of publications), contact information for my references, a research statement, and a teaching statement. All of my publications and presentations are available at:

<http://www.crhc.uiuc.edu/~mjmille2/publications/>

Please let me know if there are any other materials or information that will assist you in processing my application.

Thank you for your consideration. I look forward to hearing from you.

Sincerely,

Matthew J. Miller
