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EE Communications Faculty Search Committee
Department of Electrical Engineering
University of Washington
Box 352500
Seattle, WA 98195-2500

Dear Search Committee Chair:

I am a candidate for a doctorate at the University of Pittsburgh, where I expect to complete the requirements for the Ph.D this summer. My objective is to find a position as an Assistant Professor at an excellent research university, where I can develop a strong research and teaching program that contributes to the scholarship and prestige of the department, and advances the science of communications networking. As such, I respectfully submit my application in consideration for a tenure-track faculty position at the Assistant Professor level in the Department of Electrical Engineering at the University of Washington.

I have developed a proven track record of excellence in research and teaching during my years as a graduate student. Evidence of my scholarship and ability to produce quality research include: the recent publication of an article based on my dissertation research in *IEEE Journal on Selected Areas in Communications—Special Issue on Wireless Ad-Hoc Networks*; a successful research association with Bellcore studying inter-switch handoff re-routing algorithms; and, my experience as an Adjunct Professor teaching a course on the performance analysis of networks and computing systems.

My academic background and experience are strongly focused on networking and telecommunications systems. Specific areas of expertise include: wireless ad-hoc networks, routing algorithms, communications protocols, and performance analysis. I also have substantial experience with Internet protocols, network programming, distributed systems, and network design. Examples of my relevant experience include: my doctoral research, which proposes a novel mobility-based clustering strategy for hybrid-routing in ad-hoc networks; my Masters thesis, which presents an evaluation of the design and performance of network-layer neighbor discovery protocols; and, my experience designing and implementing communications protocols and distributed clinical systems.

I am confident that my interests and objectives are closely matched with those you are currently seeking. My record of accomplishments, and my broad range of networking related interests demonstrate a strong potential to continue producing quality research and teaching, which will enhance your department. Finally, the prospects for productive collaborative and interdisciplinary research involving myself and other faculty at the University of Washington are impressive. Hence, I am very enthusiastic about the possibility of meeting with your distinguished faculty and visiting your campus.

Enclosed with this letter are my curriculum vitae, a statement of research and teaching interests, a list of professional references, and copies of two journal publications. The URL for my web site is: <http://www.neuronet.pitt.edu/~tudball>. Most of my published papers and other relevant material can be accessed there. In closing, please feel free to contact me either via email or by telephone. My email address is: **tudball@neuronet.pitt.edu**; my work and home telephone numbers are: (W) **(412)692-7180**, and (H) **(412)731-0767** respectively.

Thank you for your consideration.

Sincerely,

A. Bruce McDonald