Post-Doctoral Opening in P2P Multimedia

Join a team of world class researchers developing next-generation peer-to-peer (P2P) multimedia applications for millions of users. The Communication and Collaboration Systems group in Microsoft Research is seeking a post-doctoral candidate to advance the state-of-the-art in peer-to-peer based data storage and delivery, and to develop prototype services that can reliably and securely back up, share, retrieve, and stream content in a P2P fashion.

Microsoft Research encourages research publication in peer-reviewed settings to help demonstrate our thought leadership externally. An ideal candidate will have a strong research background and publishing record in P2P networks and media communication (PhD required) but should also have a strong desire to get our ideas into products and see our innovations impact millions of people every day. The candidate should have strong analytical skills and a deep understanding of network communication and media processing technologies, so that he/she can invent new technologies and system architectures and select and integrate solutions among a complex array of options. The ideal candidate should also have strong implementation skills and be able to build prototypes, carefully evaluate the ideas in the prototypes, and clearly communicate the results of the evaluations. Particular areas of research interest include (but are not limited to): efficient, reliable and secure P2P data storage and retrieval, P2P asynchronous and synchronous content distribution, QoS support in P2P networks, the role of servers in P2P networks, performance measurement and monitoring of P2P applications, economics and markets in P2P networks, and security of P2P applications.

Interested parties should send their CVs to jinl@microsoft.com or pachou@microsoft.com.