LinkedIn operates the world’s largest professional network on the Internet with more than 120 million members in over 200 countries. In order to connect its users to the people, opportunities, and content that best advance their careers, LinkedIn has developed a variety of algorithms that surface relevant content, offer personalized recommendations, and establish topic-sensitive reputation -- all at a massive scale. In this talk, I will discuss some of the most challenging technical problems we face at LinkedIn, and the approaches we are taking to address them.

**BIO:** Daniel Tunkelang oversees the data science team at LinkedIn, which analyzes terabytes of data to produce products and insights that serve LinkedIn's members. Prior to LinkedIn, Daniel led a local search quality team at Google. Daniel was a founding employee and Chief Scientist of Endeca, a leader in enterprise search and business intelligence that pioneered the use of guided navigation in search applications. He has authored eight patents, written a textbook on faceted search, created the annual workshop on human-computer interaction and information retrieval (HCIR), and participated in the premier research conferences on information retrieval, knowledge management, databases, and data mining (SIGIR, CIKM, SIGMOD, SIAM Data Mining). Daniel holds a Ph.D. in Computer Science from CMU, as well as B.S. and M.S. degrees from MIT.