Keynote

What to Do With 100 Million GPS Points

GPS is one of the best sensors ever. Besides its traditional applications for consumers and business, engineers and researchers continue to find innovative ways to use it. We have been collecting GPS data from vehicles and people for the past six years, with over 155 million GPS points collected from about 700 different cars and individuals. In this talk, I will describe our research at Microsoft in using GPS data to model and predict where people go, investigate location privacy, and create road maps. I will also talk about some practical tools for research like this, some pitfalls, and ideas for new projects.

Dr. John Krumm is a senior researcher at Microsoft Research, working there since 1997 on computer vision and location. Before that he worked on robot vision at Sandia National Laboratories. He has a PhD in Robotics from Carnegie Mellon University. He has 38 U.S. patents. His first car was a 1974 Volkswagen Beetle, bought used in 1980. In 1986 he bought a new Honda CRX, which he sold in 1996 to buy a 1992 Nissan 300ZX. After the arrival of his second daughter, he sold the 300ZX to buy a Honda minivan. He recently bought a 2003 BMW M3 which his wife is reluctant to drive because of the paddle shift transmission.

Dr. John Krumm
Senior Researcher
Microsoft Research