

## **Searching the World with Google Maps**

**ERIC VEACH**  
DISTINGUISHED SOFTWARE ENGINEER  
GOOGLE INC.



*Recipient of the 2008 J.W. Graham Medal  
In Computing and Innovation*

Google's mission is "to organize the world's information", and that includes a lot more than just web pages. A web search engine isn't much help, for example, if you want to get directions to that great new restaurant in Timbuktu. This creates a unique set of challenges for Google Maps.

How do you draw a single continuous map with 1,000,000,000,000,000 pixels? How do you stitch together a petabyte of images from roving camera vans? How do you update cross-country driving directions in real time as the user drags the mouse?

In his talk he will reveal some of the tools and techniques Google has created to meet these challenges, ranging from user interface and browser tricks to the software platforms that make it easy to write programs that runs on thousands of machines at once.

THURSDAY, JUNE 12, 2008  
2:00 P.M. – 3:30 P.M.  
DAVIS CENTRE, ROOM 1302  
UNIVERSITY OF WATERLOO

*A reception will follow after the seminar  
All are welcome*

**TO REGISTER**

Pre-registering to reserve your seat is recommended

Please register by email to [mathalumni@uwaterloo.ca](mailto:mathalumni@uwaterloo.ca) or call (519) 888-4567 ext. 37747

