Post-doc position in Computer Vision

in the Computer Science Department of the University of North Carolina at Chapel Hill. The position is available from April 2005 for up to two years.

The position is available in the research group of Marc Pollefeys in the scope of the UrbanScape project. Our goal in this project is to reconstruct visual 3D models of cities from ground-based video. Multiple cameras would be mounted on both sides of a vehicle. The challenges in this project consist of obtaining real-time performance, scaling structure-from-motion techniques to large environments, obtaining geo-location from incomplete GPS and map data, fast multi-view stereo for reconstructing facades, etc.

In this project the post-doc will have the opportunity to collaborate and help supervise several graduate students as well as closely interact with several faculty and staff at UNC-Chapel Hill (Marc Pollefeys, Greg Welch, Herman Towles) and University of Kentucky (David Nister, Ruigang Yang).

**Required:** PhD in Computer Vision or related area, experience in C/C++ programming.  
**Desired expertise:** Structure from Motion, Multi-View Stereo Reconstruction, Real-time Video Processing.

For more information contact: Marc Pollefeys, marc@cs.unc.edu, +1 919 962 1845.  
For general information on the research group, see [http://www.cs.unc.edu/~marc/](http://www.cs.unc.edu/~marc/)