CogVis gmbh, founded 2007 as spin-off of the Vienna University of Technology, accomplishes research and development projects in the field of visual data analysis. The company strategic focus is within 3 main areas: traffic, safety and security as well as Internet vision. Within these areas various products have been and are currently developed in cooperation with our customers such as ANPR from video streams, content based image retrieval, multicamera tracking, 3D reconstruction as well as object and person detectors for various applications.

Open positions in a joint project between Vienna University and CogVis:

Software Developer C++ (m/f) for 3D Vision

For our ongoing R&D Projects in the area of media production and security (e.g. bank sector, elderly care) a 3D framework have to be designed, implemented and integrated into the existing computer vision software platform.

The main challenges in terms of 3D Vision comprises:

- Auto calibration
- Multi camera calibration
- PTZ calibration

Within these topics the selection of appropriate camera models and the definition of camera calibration procedures have to be carried out based on selected customer scenarios, followed by the implementation in C/C++. The 3D framework will have ideally an open architecture towards openCV and Matlab and will run on Windows and Linux platforms. Moreover a main focus of the 3D features will be real time capability and usability by Non-Vision experts.

If you like to work in a small, familiar team of scientists and corporate software architects embedded in an academic environment in the heart of Vienna please contact Tomas Pajdla for more information. Periodical travelling and work in both places Prague and Vienna is possible!