

Open PhD positions in Computer Vision at Xiamen University, Xiamen, Fujian 361005, China

The PhD students will enter the PhD Program in Computer Science and Technology at the School of Information Science and Engineering, Xiamen University, Xiamen, Fujian 361005, China, leading to the degree of PhD within a time frame of 3 - 4 years. The student will carry out scientific and technical tasks within the Center for Pattern Analysis & Machine Intelligence (PAMI) at Xiamen University (<http://pami.xmu.edu.cn/en>). The start date for this position is September 2013. The scholarship will be provided for covering the tuition and living expenses.

Background

The PAMI Center is built in 2012 and its research concentrates on computer vision and pattern recognition including visual tracking, robust statistics, object detection, video segmentation, model fitting, optical flow calculation, 3D structure from motion, image segmentation and related fields.

Required knowledge and skills

- Suitable applicants should have a master's degree or equivalent in Computer Science, Mathematics, or other related analytical disciplines.
- Experience in computer programming (C/C++, and MATLAB), image processing and mathematically analytical techniques is a plus. Algorithms and software development will be central to the success of the research.
- The applicant should have strong motivation, good English skills, mathematics knowledge, and he/she should also be an independent researcher and a team player.

Main duties

- To develop novel algorithms and methods in computer vision and pattern recognition;
- To build up some real-time systems such as visual tracking, object detection and so on;
- To participate in the implementation of shared experiments and building of reference data sets;
- To collaborate with other members in the PAMI center;
- To publish research results and case studies in high-level international literature.

Application

We are inviting applications from outstanding candidates interested in contributing to our Computer Vision research activities. The successful candidate shall focus on the development of new and effective algorithms and methods for the computer vision and pattern recognition such as object tracking, object detection, face recognition, robust model fitting, multiple view geometry, and so on. The electronic application must contain a cover letter, CV, research plan, scanned copies of transcripts, publications and other relevant work, as well as 3 references. The application should be sent to Prof. Dr. Hanzi Wang by email, hanzi.wang@ieee.org, **before May 1, 2013**.