Message from the Program Chairs

Welcome to 2007 IEEE Workshop on Motion and Video Computing. This workshop is a continuation of a tradition of motion workshops, which was started in 1979 by Jake Aggarwal and Norman Badler. Previous workshops include: Workshop on Visual Motion (Princeton, NJ, 1991), Workshop on Motion of Non-rigid and Articulated Objects (Austin 1994), Workshop on Non-rigid and Articulated Motion (Puerto Rico, 1997), HuMAnS 2000 Workshop (Hilton Head, 2000), the First International Workshop on Articulated Motion and Deformable Objects (Palma de Mallorca, 2000), and Workshop on Human Motion (Austin, TX, 2000). The area of motion research has been rapidly expanding and changing. In early days researchers mainly dealt with the problems of computing optical flow (2D motion) and structure from motion (3D motion and shape) using two or more frames. Recently, in addition to these traditional problems, the motion information present in a video sequence is also being used to solve several other problems: video synthesis, video segmentation, video compression, video registration, and video surveillance and monitoring. Visual motion research is playing an important and somewhat different role in solving these problems compared to the image sequence analysis considered in the early days of vision research. Therefore, in 2002 we combined the new emerging area of video computing with traditional visual motion. This workshop was held in Orlando on December 5-6 in conjunction with IEEE Workshop on Application of Computer Vision (December 3-4, 2002), providing participants an opportunity to attend both workshops in one week. This tradition was continued in 2005 when WMVC and WACV were held in Breckenridge, Colorado, January 5-6, 2005. Again this year WACV and WMVC are being held in the same week in Austin, Texas.

The response to the call for papers was very good considering the short time between call for papers and the submission deadline. We received numerous high quality papers, and have accepted 18 papers for oral presentation and thirteen posters. Naturally, due to the competitive selection process and limitation of two-day workshop, it is possible that some very good papers were not accepted. We highly encourage authors to pursue other avenues for presenting their research results.

We want to thank Pavel Babenko and Saad Masood Khan for setting up and maintaining the workshop website for electronic submission, answering numerous inquires from authors, and sending announcements, etc. We also want to thank Niels Lobo for his efforts in dealing with IEEE.

Welcome to Texas and we wish you a pleasant time in Austin.

Allen Hanson
Mubarak Shah
Zhengyou Zhang
Program Co-Chairs