



HKSMIC Society Notice (19 February 2003)

Human Motion: Tracking and recognition of actions and interactions

Seminar

Speaker: Prof Jake Aggarwal

Date: 12 March 2003 (Wednesday)

Time: 6:00 - 7:00pm (Refreshment served at 5:30pm outside LT-3)

Venue: LT-3, Level 4, Academic Building, City University of Hong Kong

Supporting Organizations:

IEEE Computer Chapter, CityU and the
Hong Kong Society for Multimedia and Image Computing

[Programme abstract and details:](#)

Abstract

Human Motion: Tracking and recognition of actions and interactions

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Humans have always been interested in motion: Mobiles hung over the crib fascinate young children. Zeno studied moving arrows to pose a paradox. Zeke is investigating the human brain devoted to the understanding of motion. Prof. Aggarwal's interest in motion started with the study of motion of rigid planar objects and gradually progressed to the study of human motion. Understanding human motion is a diverse and complex subject that includes recognizing and tracking individual actions, interactions between people, and interactions between people and objects, from the actions of an isolated person to the actions and interactions of a crowd. Prof. Aggarwal's talk will present an overview of the ongoing research in human motion recognition at The University of Texas at Austin. Discussion will address tracking a single person, multiple persons, and a mixture of objects and persons. In addition, Prof. Aggarwal will focus on two-person interactions in outdoor and indoor image sequences. The issues considered in these problems will illustrate the richness and the difficulty associated with understanding human motion. The application of the above research to monitoring and surveillance will also be discussed.

* J. K. Aggarwal has served on the faculty of The University of Texas at Austin since 1964 and is currently the Cullen Professor of Electrical and Computer Engineering and Director of the Computer and Vision Research Center. His research interests include computer vision and pattern recognition. A Fellow of IEEE since 1976 and IAPR since 1998, he received the Senior Research Award of the American Society of Engineering Education in 1992, and the Technical Achievement Award of the IEEE Computer Society in 1996. He has served as Chairman of the IEEE Computer Society Technical Committee on Pattern Analysis and Machine Intelligence (1987-1989); President of the International Association for Pattern Recognition (1992-94) and held several other offices. He has published extensively on motion since 1975 and is currently focusing on human motion.

All are welcome.

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