



*Dept. of Electrical and Computer Eng.*

# *Colloquium*

## “Computer Vision Activities at Sabanci University”

Aytul Ercil,

*Professor of EECS*

VPALAB – Computer Vision and Pattern Analysis Laboratory  
Sabanci University, Istanbul - TURKEY:

2:30 PM, Thursday, Sept. 7, 2006, Dreese Laboratory 260

Prof. Ercil will give information about the activities of the VPALAB which have been evolved around the following topics:

- ♦ Intelligent Manufacturing (invariant object recognition, web inspection, automated tolerance inspection, surface quality inspection, etc.)
- ♦ Biometrics (face recognition, voice recognition, fingerprint recognition, signature recognition, hand shape recognition, multimodal biometrics)
- ♦ Digital archaeology (3D shape modeling, automated reconstruction of archaeological artifacts, multimedia databases for archaeology)
- ♦ Intelligent Vehicles: Fusion of audio, visual data for driver assistance, fusion of various sensors in vehicles for driver safety improvement and driver identification

**Biography:** Aytül Erçil received her BS degrees in Electrical Engineering and Mathematics from Boğaziçi University, Istanbul Turkey in 1979, MS and PhD degrees in Applied Mathematics from Brown University, USA in 1980 and 1983 respectively. She worked at GM Research Laboratories, Michigan, USA as a senior research scientist and staff research scientist till 1988. She has taught at Bogazici University, Turkey and has been a technical consultant to various organizations. She is currently a Professor at Faculty of Engineering at Sabanci University, Istanbul Turkey and the director of VPA-LAB- Computer Vision and Pattern Recognition Lab at the same university which was selected by the European Union as a ‘potential center of excellence.’..Her specific research interests include: Invariant object recognition, shape modeling, texture analysis, biometrics, multi-modal classification. She is one of the pioneers in Turkey in the computer vision and pattern recognition area. She has directed many national (Tubitak, DPT, TIDEB, TTGV) and international projects (Nato, FP4, Eureka, NSF, FP6, Nedo) and has over 100 publications. Prof. Erçil has been working in computer vision, pattern recognition areas for over 20 years. Her research topics include: Invariant object recognition, shape modeling, texture analysis, pattern recognition, biometrics, multimodal classification. Dr. Ercil is currently a governing board member of IAPR – International Association of Pattern Recognition, the founding president of TÖTİAD –Turkish Pattern Recognition and Image Processing Society and a member of the IEEE Computer Society.