

MEHMET EMRE SARGIN

University of California, Santa Barbara
Santa Barbara, CA, USA 93106

emresargin@gmail.com

Education

Ph.D. in Electrical & Computer Engineering

University of California, Santa Barbara

- Supervisors: Prof. B.S. Manjunath & Prof. Kenneth Rose
- GPA: 4.00/4.00

Fall 2006 – Present
Santa Barbara, CA, USA

M.S. in Electrical & Computer Engineering

Koç University

- Supervisor: Prof. A. Murat Tekalp
- Co-supervisors: Asst. Prof. Engin Erzin, Asst. Prof. Yucel Yemez
- Thesis title: “Audio-Visual Correlation Modeling for Speaker Identification and Synthesis”
- GPA: 4.00/4.00

Fall 2004 – Spring 2006
Istanbul, TURKEY

B.S. in Electrical & Electronics Engineering

Middle East Technical University

- Major: Telecommunications and Computer Area
- GPA: 3.74/4.00 (High Honors List)

Fall 2000 – Spring 2004
Ankara, TURKEY

High School Diploma

Izmir High School of Science

- Specialized in math and science passed with high honor degree. GPA: 4.80/5,00

Fall 1997 – Spring 2000
Izmir, TURKEY

Languages

English: Advanced level , German: Beginner level

Work Experience

Koç University, Research & Teaching Assistant

- Research Assistant: Worked on SIMILAR EU FP6 Project
- Teaching Assistant:
Introduction to Computer Programming with C
Digital Systems Design, Signals and Systems
Digital Image and Video Processing.

Sep. 2004 – Aug. 2006
Istanbul, TURKEY

The SIMILAR NoE Workshop on Multimodal Interfaces

Project Leader: “Combined Gesture-Speech Analysis and Synthesis”

Jul. 2005 – Aug. 2005
Mons, BELGIUM

Tubitak Bilten, Part-Time Research Assistant

Worked on “Text Detection from Video Streams” Project

Feb. 2004 – Jun. 2004
Ankara, TURKEY

Motorola GmbH, Intern

Worked on manufacturing, repair and test departments of TETRA radio stations.

Aug. 2003 – Sep. 2003
Berlin, GERMANY

Tubitak Bilten, Intern

Worked on License Plate Recognition Project, experienced in image processing and MATLAB programming.

Jun. 2003 – Jul. 2003
Ankara, TURKEY

Unimedya Turknet, Intern

Worked on TCP-IP networks, ftp and mail servers in Linux operating system, video conference systems.

Jun. 2002 – Jul. 2002
Izmir, TURKEY

Journal Publications

- **M.E. Sargin**, Y. Yemez, E. Erzin, and A.M. Tekalp, “Analysis of Head Gesture and Prosody Patterns for Prosody-Driven Head-Gesture Animation”, to appear IEEE Transactions on Pattern Analysis and Machine Intelligence
- **M.E. Sargin**, Y. Yemez, E. Erzin, and A.M. Tekalp, “Audio-Visual Synchronization and Fusion using Canonical Correlation Analysis”, to appear in IEEE Transactions on Multimedia

Conference Publications

- **M.E. Sargin**, A. Altinok, K. Rose, B.S. Manjunath, “Tracing Curvilinear Structures in Live Cell Images”, IEEE Int. Conference on Image Processing (ICIP’07), September 2007
- **M.E. Sargin**, A. Altinok, E. Kiris, L. Wilson, S. Feinstein, K. Rose, B.S. Manjunath, “Tracing Microtubules in Live Cell Images”, IEEE Int. Symposium on Biomedical Imaging (ISBI’07), April 2007
- **M.E. Sargin**, E. Erzin, Y. Yemez, A.M. Tekalp, A.T. Erdem, C. Erdem, M. Ozkan, “Prosody-Driven Head-Gesture Animation”, IEEE Int. Conference on Acoustics, Speech and Signal Processing (ICASSP’07), April 2007
- **M.E. Sargin**, F. Ofli, Y. Yasinnik, O. Aran, A. Karpov, S. Wilson, E. Erzin, Y. Yemez, A. M. Tekalp, “Gesture-Speech Correlation Analysis and Speech Driven Gesture Synthesis”, IEEE Int. Conference on Multimedia and Expo (ICME’06), July 2006
- **M.E. Sargin**, E. Erzin, Y. Yemez, A. M. Tekalp, “Multimodal Speaker Identification Using Canonical Correlation Analysis”, IEEE Int. Conference on Acoustics, Speech and Signal Processing (ICASSP’06), May 2006
- **M.E. Sargin**, F. Ofli, Y. Yasinnik, O. Aran, A. Karpov, S. Wilson, E. Erzin, Y. Yemez, A.M. Tekalp, “Combined Gesture-Speech Analysis and Synthesis”, Proc. of the eNTERFACE’05 The SIMILAR Workshop on Multimodal Interfaces, Mons, Belgium, July-August 2005
- **M.E. Sargin**, E. Erzin, Y. Yemez, A.M. Tekalp, “Lip Feature Extraction Based on Audio Visual Correlation”, Proc. of the European Signal Processing Conference (EUSIPCO’05), September 2005

Computer Skills

- Operating systems: Windows 98 or higher (Administrator level), Linux (User level)
- Programming languages: Turbo C, C++, Pascal
- Specific knowledge: MATLAB, Cadkey (Engineering design tool), Xilinx (Logic design tool), HP Vee (Visual programming language for controlling HP instruments)

Honors

- Second Prize Winner in ICASSP’07 Student Paper Contest
- Bio-Image Fellowship, Center for Bio-Image Informatics, University of California, Santa Barbara (2006)
- SIMILAR Graduate Twinning Fellowship (Visiting Researcher at Technical University of Catalonia September, 2005)
- TUBITAK Graduate Fellowship, (2005)
- Vehbi Koc Scholarship (full graduate scholarship), Koc University, (2004).
- High Honors’ List (7 times), Honors’ List (once), Electrical & Electronics Engineering, METU, (2000-2004).

Hobbies

- Photography (Association of Ankara Photographers - Afsad)
- Cinema (Attended an elective course on Film Analysis)
- Diving (Member of METU Sub Aqua Society)

References

- Prof. A. Murat Tekalp, Koç University, Istanbul, Turkey (mtekalp@ku.edu.tr)
- Prof. Gulbin Dural, Middle East Technical University, Ankara, Turkey (gulbin@metu.edu.tr)