

GÖZDE GÜL İŞGÜDER

Phone: (0090) 546-517-10-69
isguder@sabanciuniv.edu
goezde.guel@googlemail.com

Muhittin mah. Resitpasa cad. Nil Yapi Sit
A/10 Corlu/Tekirdag, 59860 Turkey

EDUCATION

- MS Sabanci University**, Electronics Engineering February 2011
Istanbul, Turkey
Advisor: Assoc. Prof. Dr. Gözde Ünal
- BS Istanbul Technical University**, Computer Engineering February 2009
Istanbul, Turkey
(Completed 1 year of Bachelor Education in Technical University Of Munich as an exchange student.)

RESEARCH INTERESTS

- Medical image analysis
- Computer vision
- Pattern recognition

HONORS ,AWARDS AND SCHOLARSHIPS

Tubitak Project Grant February 2009 – February 2011
This grant is given to the students who involves in a Tubitak (The Scientific and Research Council of Turkey) research project.

Erasmus Exchange Program Scholarship September 2007 – September 2008
This grant is given to the students who are accepted to involve in Erasmus Exchange Program and passed all the lectures that he/she took during the program.

Istanbul Technical University Honor Grant October 2004 – January 2009
This grant is given to the students who took place in the first 1500, in Turkey's nationwide university entrance exam among approximately 2 million of students.

Turkish Government Grant September 2001 – September 2004
This grant is given to the high school students based on their GPAs. (covers accomodation, books and food)

RESEARCH EXPERIENCE

Tubitak Project (code:108E162) (Germany-Turkey Collaboration) March 2009 - on
Title: Assessment of Fluid Tissue Interaction Using Multi-Modal Image Fusion for
Characterization and Progression of Coronary Atherosclerosis
Supported by: Tubitak-BMBF, TUBITAK- GERMAN BMBF Intense Cooperation
Grant
Advisor: Assoc. Prof. Dr. Gözde Ünal

Bachelor's Thesis December 2008
Title: Computer Aided Diagnosis of Retinal Diseases
Advisor: Assoc. Prof. Dr. Mustafa Kamaşak

WORK EXPERIENCE

Graduate Research Assistant
Sabanci University, Vision Pattern Analysis Lab, Istanbul March 2009 - still
Researched and implemented rigid registration methods, pattern recognition methods
for extracting heart rate information, plaque and branching info extraction and
different kinds of level set methods for segmentation of Intravascular Ultrasound
images. Currently I'm working on a coupled registration and segmentation algorithm
based on the probabilistic information, features information, mutual information and
contour distance information.
Advisor: Assoc. Prof. Dr. Gözde Ünal

HiWi(Student Assistant)
Technical University Of Munich, March 2008 – September 2008
Improved the performance of the existing 3D Reconstruction software in C++ .

Undergrad Intern
Arçelik Ltd. Şti., Istanbul June 2007 – September 2007
Implemented a well-known image compression algorithm that later will be used for
the washing machine command window in C++.

TEACHING EXPERIENCE

Sabanci University, Istanbul Spring 2010
Teaching Assistant, Faculty of Engineering Sciences
● CS 201 – Introduction To Programming, an undergraduate course averaging 170
students per semester, covering the book: A Computer Science Tapestry

Sabanci University, Istanbul

Fall 2010

Teaching Assistant, Faculty of Engineering Sciences

- TE 407 – Computer Vision, an undergraduate course averaging 70 students per semester, The aim of the course is to study computer vision, using the observations in the form of multiple 2D (or 3D) images. In this undergraduate level course, the focus is on mainly 2D image processing fundamentals and basic computer vision concepts.

Sabanci University, Istanbul

Spring 2009

Teaching Assistant, Faculty of Engineering Sciences

- CS 202 – Data Structures, an undergraduate course averaging 100 students per semester, Introduction to theoretical aspects of computing: modeling algorithms and their run times, computational complexity. Linear data structures (lists, stacks, queues) trees (tries, binary search trees, AVL trees, tree traversals), hashing and hash tables, graphs and their representations, graph algorithms (depth first and breadth first search, single source shortest path algorithms), sorting algorithmic paradigms (divide and conquer, greedy, dynamic programming).

PUBLICATIONS

Conference Papers

(Peer-Reviewed)

Gurmeric, Serhan and **Isguder, Gozde Gul** and Unal, Gozde and Carlier, Stephane, "A New 3-D automated computational method to evaluate in-stent neointimal hyperplasia in in-vivo intravascular optical coherence tomography pullbacks", Medical Image Computing and Computer-Assisted Intervention – MICCAI 2009 - 12th International Conference, Berlin / Heidelberg: Springer, September 2009, 776-786

PRESENTATIONS AND INVITED LECTURES

Workshop, “Rigid Motion Correction in IVUS Sequences” CSW '10 – Computer Science Workshop, 21/02/2010 – Koc University/Istanbul

PROFESSIONAL AFFILIATIONS

Çanakkale Science High School Alumni Association, 2005-Present

We give scholarships to the students who graduated from this high school, and can not afford the college fees.

ITU Guitar Club,

2004 - 2008

We gave annual instrumental concerts in Istanbul Technical University, and one in METU(Middle East Technical University)

LANGUAGES

Turkish: Native Language

English: Novice Listener, Novice Speaker, Advanced Reading and Writing

German: Intermediate Listener, Speaker, Good Reading and Writing

REFERENCES

Available upon request

Assoc. Prof. Dr. Gözde Ünal

Faculty of Engineering Sciences

Sabanci University

gozdeunal@sabanciuniv.edu

Prof. Dr. Eşref Adalı, Head of Computer Science Department

Computer Engineering Department

Istanbul Technical University

adali@itu.edu.tr

Prof. Dr. Nassir Navab, Head of CAMP Chair

CAMP(Computer Aided Medical Procedures) Chair,

Technical University Of Munich

navab@cs.tum.edu