

MUSTAFA UGUR DALOGLU

Ph.D. Student – UCLA

Dept. of Electrical Engineering
University of California, Los Angeles
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Education

- Ph.D. in Electrical Engineering** 03/2015 – Present
University of California, Los Angeles
Physical and Wave Electronics
Advisor: Professor Aydogan Ozcan
- M.S. in Electrical Engineering** 09/2013 – 03/2015
University of California, Los Angeles
Physical and Wave Electronics- CGPA: 3.96/4.00
Advisor: Professor Aydogan Ozcan
- B.S. in Electrical and Electronics Engineering** 09/2009 – 06/2013
Bilkent University, Ankara, Turkey
Full Scholarship - CGPA: 3.95/4.00

Research Experience

- Graduate Student Researcher** 09/2013 – Present
Electrical Engineering, University of California, Los Angeles
Advisor: Professor Aydogan Ozcan
- On-chip holography for high-throughput, portable and low-cost nanoparticle characterization.
 - Dual angle on-chip holography for 3D tracking of microswimmers (like spermatozoon) in large volumes with sub-micron positioning accuracy.
- Visiting Student Researcher** 06/2012 – 08/2012
Electrical and Computer Engineering, Texas A&M University, College Station, TX
Advisor: Professor Erchin Serpedin
- Quantitative comparison of the quantization noise in overlap-save and overlap-add block digital filtering methods.
- Undergraduate Researcher** 10/2010 – 10/2011
Bilkent Dexterous Robotics and Locomotion Group, Ankara, Turkey
Advisor: Associate Professor Uluc Saranli
- Implementation of a snake-like robot with undulatory locomotion via multiple servos.

Teaching Experience

Teaching Assistant, University of California, Los Angeles
EEM 217: Biomedical Imaging (Winter 2015)

Tutor, Bilkent University, Ankara, Turkey
GE 101: Engineering Orientation (Spring 2011)

Honors and Awards

- 1st in Ph.D. Preliminary Exam in PWE, University of California, Los Angeles, 2015
- Graduation with High Honors in Engineering, Bilkent University, 2013
- 2nd Place in Biology, TUBITAK National High School Project Contest, Turkey, 2007

Funding

- Preliminary Exam Fellowship, University of California, Los Angeles, 2015
- Travel Award for ERN in STEM Conference, 2015
- Department Fellowship, University of California, Los Angeles, 2013 – 2014
- Full Scholarship for B.S. Studies, Bilkent University, 2009 – 2013

Publications

Refereed Conference Publications:

1. M.U. Daloglu, W. Luo, J. Feng, G. Ren and A. Ozcan, “Lensfree 3D Imaging of Sperms,” The Emerging Researchers National (ERN) Conference in Science, Technology, Engineering and Mathematics (STEM), Washington, DC (February 19-21, 2015) – **First Place in Technology and Engineering** [Oral Presentation]
2. M. Daloglu and E. Serpedin, “Quantization Errors in Overlapped Block Digital Filtering Methods”. AICT 2013, The Ninth Advanced International Conference on Telecommunications, Rome, Italy (June 23-28, 2013)

Service

- Reviewer, Journal of the Optical Society of America A
- Vice President, Bilkent Robotics Club (2011-2012).
- Organization Committee Member, RoboBilkent 2010 National Robot Contest.