

Ali Osman Ulusoy

<https://aliosmanulusoy.github.io/>

EDUCATION	Post-doctoral researcher , MPI for Intelligent Systems Advised by Michael J. Black and Andreas Geiger. Research on 3D reconstruction and 3D deep learning.	2014-2017
	Ph.D. in Engineering, Brown University Advised by Joseph L. Mundy. Research on probabilistic methods for 3D reconstruction.	2008-2014
	Sc.M. in Applied Mathematics, Brown University Coursework on probability and statistics.	2008-2011
	B.S. in Computer Engineering, Bilkent University CGPA 3.88/4.0, graduated 3rd out of 150 students.	2004-2008
EMPLOYMENT HISTORY	Microsoft HoloLens (Redmond, WA). Senior Scientist - Localization and mapping for Azure Spatial Anchors. Scientist II - Surface reconstruction and scene understanding.	2019-now 2017-2019
	Vision Systems Inc. (Providence, RI) Research scientist. Computer Vision start-up led by Prof. Joseph L. Mundy.	Summer 2014
	Vistek (Istanbul, Turkey) Software engineering intern. Computer Vision start-up led by Prof. Aytül Erçil.	Summer 2014
	Siemens (Istanbul, Turkey). Software engineering intern.	Summer 2006
HONORS AND AWARDS	International Conf. on 3D Vision (3DV) Best Paper Award	2015
	Outstanding Reviewer Awards Computer Vision and Pattern Recognition (CVPR) European Conference on Computer Vision (ECCV)	2017, 2018, 2019, 2021 2016
	NVIDIA Hardware Donation - A Nvidia Tesla K20c graphics card	2013
PUBLICATIONS	Please find my publications at https://aliosmanulusoy.github.io/ .	
ACADEMIC SERVICE	Phd Thesis committee Kumar Shaurya Shankar - Robotics Institute, Carnegie Mellon University	2020
	Reviewer Conf. on Computer Vision and Pattern Recognition (CVPR) European Conference on Computer Vision (ECCV) Conf. on 3D Vision (3DV) ACM SIGGRAPH ASIA	2016 - present 2016 2017, 2018 2016

International Journal of Computer Vision (IJCV)	2015, 2018, 2019
Transactions on Pattern Recognition and Machine Intelligence	2018, 2020
Image and Vision Computing (IVC)	2013, 2014

Organizer,
Workshop on Computer Vision Applications for Mixed Reality Headsets, held in conjunction CVPR 2019

INVITED
TALKS AND
POSTERS

Patches, Planes and Probabilities: A Non-local Prior for Volumetric 3D Reconstruction
Lines, Planes and Manhattan Models for 3-D Mapping Workshop at IROS
2017

Towards Probabilistic Volumetric Reconstruction using Ray Potentials
Microsoft 2017
International Workshop on Computer Vision 2016
University of North Carolina at Chapel Hill 2015

Probabilistic and Volumetric Reconstruction of Time-Varying 3-d Scenes
MPI Intelligent Systems - ETH Learning Systems Workshop 2015
Harvard University 2015
GE Global Research Center 2014

Image-based 4-d Modeling Using 3-d Change Detection
MIT 2014
Vision Systems Inc. 2013

Probabilistic and Volumetric Reconstruction of General Dynamic 3-d Scenes,
Greater New York Area Multimedia and Vision Meeting 2013