

Omri Azencot

E-mail: azencot@math.ucla.edu

Website: omriazencot.com

EDUCATION

2011–2017 Ph.D., Technion – Israel Institute of Technology

Department of Computer Science

Advisor: Asst. Prof. Mirela Ben-Chen

Thesis: Operator Representations in Geometry Processing

2005–2010 Bachelor of Science, Technion – Israel Institute of Technology

Majors: Mathematics and Computer Science

RESEARCH EXPERIENCE

Department of Mathematics, UCLA

Assistant Adjunct Professor, Program In Computing (PIC) Instructor, 2017–present

Center for Graphics and Geometric Computing (CGGC), Technion

Research Assistant, 2011–2017

Worked on projects related to computer graphics and geometry processing

PUBLICATIONS

Consistent Functional Cross Field Design for Mesh Quadrangulation. O. Azencot, E. Corman, M. Ben-Chen and M. Ovsjanikov. *ACM Transactions on Graphics (Proc. SIGGRAPH)*, 2017

Functional Thin Films on Surfaces. O. Vantzos, O. Azencot, M. Wardetzky, M. Rumpf and M. Ben-Chen. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2016

Advection-based Function Matching on Surfaces. O. Azencot, O. Vantzos and M. Ben-Chen. *Computer Graphics Forum (Proc. SGP)*, 2016

Functional Thin Films on Surfaces. O. Azencot, O. Vantzos, M. Wardetzky, M. Rumpf and M. Ben-Chen. *Proc. ACM SIGGRAPH/Eurographics SCA*, 2015. **Best paper award (one of three)**

Discrete Derivatives of Vector Fields on Surfaces – An Operator Approach. O. Azencot, M. Ovsjanikov, F. Chazal and M. Ben-Chen. *ACM Transactions on Graphics*, 2015

Functional Fluids on Surfaces. O. Azencot*, S. Weißmann*, M. Ovsjanikov, M. Wardetzky and M. Ben-Chen (* Equal contribution). *Computer Graphics Forum (Proc. SGP)*, 2014

An Operator Approach to Tangent Vector Field Processing. O. Azencot, M. Ben-Chen, F. Chazal and M. Ovsjanikov. *Computer Graphics Forum (Proc. SGP)*, 2013

Map-Based Exploration of Intrinsic Shape Differences and Variability. R. M. Rustamov, M. Ovsjanikov, O. Azencot, M. Ben-Chen, F. Chazal and L. Guibas. *ACM Transactions on Graphics (Proc. SIGGRAPH)*, 2013

AWARDS

Israeli Ministry of Science and Technology International Travel Grant, 2017

Excellence Scholarship from the Faculty of Computer Science, Technion, Spring 2017

Zuckerman Postdoctoral Fellowship of The Zuckerman STEM Leadership Program, 2017

Marie Skłodowska-Curie Actions Seal of Excellence, 2017

Adams Conference Poster Competition Prize, 2nd place, 2017

Excellence Scholarship from the Faculty of Computer Science, Technion, Spring 2016

Prof. Rahamimoff Travel Grant for Young Scientists of the US-Israel Binational Science Foundation

(BSF), 2016

Excellence Scholarship from the Faculty of Computer Science, Technion, Spring 2015

Adams Fellowship Program of the Israel Academy of Sciences and Humanities, 2015

Jacobs–Qualcomm Fellowship, 2014

TCE Research Prize for Students, 2014

Faculty Research Day Poster Competition Prize, 2nd place, 2014

Excellence Scholarship from the Faculty of Computer Science, Technion, Winter 2013

PROFESSIONAL SERVICE

Reviewer: SIGGRAPH Asia 2017, Pacific Graphics 2017, SIGGRAPH 2016, Eurographics 2016.

TEACHING EXPERIENCE

Lecturer, UCLA, Introduction to Programming, PIC 10A, Fall 2017

Teaching Assistant, Technion, Vector Field Analysis on Surfaces, Spring 2017, Winter 2015

Teaching Assistant, Technion, Digital Geometry Processing, Winter 2016, Spring 2015

Teaching Assistant, Technion, Computer Graphics, Spring 2016, Winter 2014

Teaching Assistant, Technion, Image Synthesis, Winter 2013

Teaching Assistant in charge, Technion, Operating Systems, Winter 2012, Spring 2013/2014

Teaching Assistant, Technion, Operating Systems, Spring 2012

Teaching Assistant, Technion, Introduction to Computer Science M, Winter 2011

WORK EXPERIENCE

Computer Graphics Lab, ETH, Software Intern, February–March, 2013

Developed and Implemented a gaze correction Skype plugin designed for video conferencing

Elbit Systems LTD., Software Engineer, May 2010–May 2011

Developed and implemented a BSP for a line of router products

Elbit Systems LTD., Programmer (student position), February 2007–April 2010

Worked in a BSP team on projects related to real time systems